ACROVYN WATER-BASE MASTIC PRIMER
MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT IDENTIFICATION
Manufactured for Construction Specialties Group
By Super-Tek Products, Inc.
25-44 Borough Place, Woodside, NY 11377
Telephone #: ***718-278-7900***
Emergency Phone #: ***718-278-7900***
Generic ID: ***Water-Based Primer***
Product Identity: ***Acrovyn Water-Base Mastic Primer***
Date Prepared: ***1/01/11***

SECTION II – INGREDIENTS

Ingredient Name	CAS Number	Percent	Exposure Limits
Latex Polymer	Non Hazardous	35-38	5000 ppm (TLV)

*** Other Non-Hazardous Ingredients considered a Trade Secret**

SECTION III – PHYSICAL DATA
Initial Boiling Point: ***212°F.***
Vapor Pressure: ***Same as water.***
Vapor Density (Air=1.0): ***Same as water.***
Specific Gravity: ***1.03-1.04.***
Percent Volatiles: ***60-62.0%.***
Percent Volatiles minus Water: ***0.0%***
"VOC = 0 g/l"

SECTION IV – FIRE AND EXPLOSION DATA
Flash Point: ***N/A.***
Explosive Limit (Product): ***N/A.***
Extinguishing Media: ***None to avoid.***
SPECIAL FIRE FIGHTING PROCEDURES: ***None.***
UNUSUAL FIRE & EXPLOSION HAZARDS: ***None.***

SECTION V – HEALTH HAZARD DATA
Permissible Exposure Level: ***N/A.***
Threshold Limit Value: ***N/A.***
EFFECTS OF EXPOSURE:
Skin: ***Possible mild irritation.***
Eyes: ***Possible mild irritation.***
Inhalation: ***None known.***
FIRST AID:
Skin: ***Soap and water.***
Eyes: ***Flush with water, lifting upper and lower lids occasionally.***
Inhalation: ***If affected, remove individual to fresh air. Use only in well ventilated areas.***
Ingestion: ***Do not induce vomiting. Call physician or transport to an emergency facility.***

SECTION VI – REACTIVITY DATA
Stability: ***Stable.***
Incompatibility: ***None.***
Hazardous Decomposition: ***None.***
Hazardous Polymerization: ***None.***
Conditions to Avoid: ***None Known.***

SECTION VII – SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ***Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material. Solidified materials accepted for landfill disposal in most locations. Check all local, state, and federal regulations.***

SECTION VIII – PROTECTIVE EQUIPMENT
Ventilation: ***Open all available windows and entrances to insure good ventilation.***
Respirator Protection: ***None needed.***
Protective Gloves: ***If sensitive.***
Eye protection: ***Wear glasses or protective goggles to avoid splashes.***
Other Protective Equipment: ***None required.***
WASH HANDS THORUGHLY WITH SOAP AND WATER.

SECTION IX – SPECIAL PRECAUTIONS
Protect from freezing. Use only in applications as stated on the label. Do not take internally. Close container after each use. Avoid skin and eye contact.

Ventilation with fresh air, including open doors and windows should be observed during any flooring installation. Operate HVAC systems at 100% fresh air intake before, during and after installation to eliminate lingering odors or particulate matter.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with company or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.

KEEP OUT OF REACH OF CHILDREN

Material Safety Data Sheet

Date last revised: April, 2001

I. GENERAL INFORMATION

Chemical Name & Synonyms ACRYLIC LATEX SEALANT	Trade Name & Synonyms AC-20 ARCYLIC LATEX PLUS SILICONE
Chemical Family ACRYLIC LATEX	Formula MIXTURE
Proper DOT Shipping CAULKING COMPOUND	DOT Hazard Classification NONE
Manufacturer PECORA CORPORATION	Manufacturer's Phone Number 215-723-6051
Manufacturer's Address 165 Wambold Road, Harleysville, PA 19438	Chemtrec Phone Number 800-424-9300

II. INGREDIENTS

Principal Hazardous Components MINERAL SPIRITS (CAS # 64741-41-9)	Percent < 5	Threshold Limit Value (Units) 500 PPM
HEALTH 0 FLAMMABILITY 0		REACTIVITY 1

III. PHYSICAL DATA

Boiling Point (°F) N/A	Specific Gravity (H_20 = 1) 1.56
Vapor Pressure (mm Hg.) 10 MINERAL SPIRITS	Percent Volatile by Volume (%) 15 – 20%
Vapor Density (Air = 1) HEAVIER	Evaporation Rate (ETHER= 1) SLOWER
Solubility in Water SOLUBLE IN WET STATE, INSOLUBLE IN CURED STATE	PH 7.0 – 7.5
Appearance & Odor SMOOTH PASTE – SLIGHT MINERAL SPIRITS ODOR	

IV. FIRE & EXPLOSION HAZARD DATA

Flash Point (Test Method) > 200° F. T.C.C.	Auto Ignition Temperature 540° F. MINERIAL SPIRITS
Flammable Limits	LEL 0.8 MINERAL SPIRITS UEL 5.0 MINERAL SPIRITS
Extinguishing Media Small Fires: WATER SPRAY, CARBON DIOXIDE, FOAM, DRY CHEMCIALS	
Special Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES INVOLVING CHEMICALS.	
Unusual Fire & Explosion Hazards: NONE KNOWN	

V. Health Hazard Data

OSHA Permissible Exposure Limit	ACGIH Threshold Limit Value
SEE SECTION II	SEE SECTION II
Carcinogen – NO	Carcinogen – NO

Symptoms of Exposure: NO KNOWN EFFECTS REPORTED IN NORMAL USE OF THIS COMPOUND. AS A PRECAUTIONARY MEASURE PRECLUDE FROM THOSE INDIVIDUALS HAVING A HISTORY OF RESPIRATORY AILMENTS.

Medical Conditions Aggravated By Exposure:
NONE KNOWN

Primary Route (s) of Entry:
SKIN AND INALATION

Emergency First Aid: SKIN: WASH WITH SOAP AND WATER. INHALATION: MOVE TO FRESH AIR. EYES: FLUSH WITH COPIOUS AMOUNTS OF WATER.

VI. REACTIVITY DATA

Stability		Unstable	Conditions to Avoid
	X	Stable	Conditions to Avoid EXCESSIVE HEAT AND FREEZING TEMPERATURES
Incompatibility			Materials to Avoid
Hazardous		May Occur	Conditions to Avoid
Polymerization	X	Will Not Occur	Conditions to Avoid EXCESSIVE HEAT AND FREEZING TEMPERATURES

Hazardous Decomposition Products: CO, CO_2, AND POSSIBLY OXIDES OF NITROGEN

VII. ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: SCRAPE UP AND PLACE IN CONTAINERS. WASH AREA WITH WARM, SOAPY WATER OR MINERAL SPIRITS.

Waste Disposal Method: BURY IN SUITABLE LANDFILL WHERE PERMITTED UNDER APPROPRIATE LOCAL, STATE AND FEDERAL REGULATIONS.

VIII. SPECIAL PROTECTION INFORMATION

Eye Protection	Skin Protection
GLASSES OR GOGGLES	COTTON OR PLASTIC GLOVES
Respiratory Protection (Specific Type) ORGANIC TYPE IN CONFINED AREAS	Ventilation Recommended GENERAL ROOM VENTILATION

Other Protection:
BARRIER SKIN CREAM

IX. SPECIAL PRECAUTIONS

Hygienic Practices In Handling & Storage: STORE IN COOL, DRY PLACE. PROTECT FROM FREEZING. WASH HANDS BEFORE EATING OR SMOKING.

Precautions For Repair & Maintenance of Contaminated Equipment:
SEE SECTION V.

Other Precautions:
NOT RECOMMENDED FOR CONTINUOUS WATER IMMERSION. AVOID INTENSE WATER CONTACT FOR 24 HOURS AFTER APPLICATION.

KEEP OUT OF REACH OF CHILDREN!!!!!

Material Safety Data Sheet

Section 1 General Information

Manufacturer:
Zinsser Company, Inc.
173 Belmont Drive
Somerset, NJ 08875
(732) 469-8100

HMIS Rating

HEALTH:	1
FLAMMABILITY:	3
REACTIVITY:	0

Emergency Telephone: Chemtrec (800) 424-9300

Date: July 18, 2002

Product Name: **Bulls Eye 3 Lb. Amber Shellac**

Product Codes: 700, 701, 704, 708, 716

Section 2 Hazardous Ingredients

Hazardous Component	CAS#	OSHA PEL	ACGIH TLV
Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm
Isopropyl Alcohol	67-63-0	400 ppm	200 ppm
Methyl Isobutyl Ketone	108-10-1	100 ppm	50 ppm

Section 3 Hazard Identification

Emergency Overview: This material is cloudy amber liquid coating used to finish wood and other surfaces. It has an alcohol type odor and a flashpoint of 60° F.

Primary Routes of Exposure:
Inhalation

Potential Acute Health Effects:

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May be harmful if swallowed.

Inhalation: Vapors may be irritating to eyes and respiratory tract. May cause CNS depression.

Potential Chronic Health Effects:

Signs and Symptoms: Chronic exposures may result in irritation to mucous membranes, headache, drowsiness, CNS depression, and/or liver damage.

(See also Sections 4, 8, and 11 for related information)

Section 4 First Aid Measures

Eye contact: Flush eyes with water for at least 15 minutes.

Skin contact: Wash with soap and water.

Ingestion: If the person is conscious and able to swallow have them drink water to dilute. Call a poison control center, physician, or emergency room.

Inhalation: If exposed to excessive levels of vapor or mist, remove to fresh air. Seek medical attention if cough or other symptoms develop.

Section 5 Fire Fighting Measures

Flash Point (method): 60° F

Extinguishing Media: Use dry chemical, "alcohol resistant" foam, or carbon dioxide. Water may be ineffective but water applied as a spray can absorb some of the fire's heat and should be used to keep fire-exposed containers cool.

Protection of Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH and full protective gear. Evacuate area and fight fire from safe distance.

Fire and Explosion Hazards: Vapors may form explosive mixture with air.

Section 6 Accidental Release Measures

Personal Precautions: Avoid skin contact. Avoid breathing vapors. Wash hands before eating.

Clean Up Methods: Keep unnecessary people away. Remove all sources of ignition. Dike and contain spill with inert material (sand, earth, etc.) and transfer liquid to containers for recovery or disposal. Keep spill out of sewer and open bodies of water. Floors may be slippery; care should be exercised to avoid falls. Avoid runoff into storm sewers and ditches that lead to waterways.

(See also Section 8 for information on Exposure Controls and Personal Protective Equipment)

Section 7 Handling and Storage

Handling: Keep away from heat, spark, and flame. Keep operating temperatures below ignition temperatures at all times. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing.

Storage: Store way from heat. Keep away from heat, sparks and flame. Keep containers tightly closed and upright when not in use. Protect against physical damage.

Section 8 Exposure Controls / Personal Protection

Engineering Controls: Use general room dilution ventilation, process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal Protective Equipment (PPE):

Eye Protection: Where contact is likely, wear chemical splash goggles and/or full-face shield.

Skin Protection: Where contact is likely, wear chemical resistant gloves and other protective clothing to prevent skin contact.

Respiratory Protection: Wear vapor levels exceed allowable exposure limits, wear a NIOSH approved air-purifying respirator with an organic vapor cartridge.

General Hygiene Practices: Avoid eye and skin contact. Avoid breathing vapors. Wash hands before eating and drinking. Do not smoke while using this material.

Section 9 Physical Data

Appearance:	Cloudy amber liquid	**Odor**:	Alcohol type odor
Physical State:	Liquid	**pH**:	4.0 – 5.5
Boiling Point:	173° F*	**Melting/Freezing Point**:	N/A
Vapor Pressure:	40 mm/Hg*	**Vapor Density**:	1.59
Odor Threshold:	N/D	**Viscosity**:	25 – 300 cps
Specific Gravity (water = 1):	0.89	**Autoignition Temp**:	685° F*

Water Solubility: The alcohol portion is soluble in water, the shellac portion is not soluble and will from a gelatinous layer on top of water.

* Based on pure ethyl alcohol.

Section 10 Stability and Reactivity

Stability: Stable, non-reactive.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Carbon monoxide during incomplete combustion.

Conditions to Avoid: Heat, sparks, flames.

Incompatibility: Oxidizing agents

Section 11 Toxicological Information

Carcinocenicity: This material is not considered a carcinogen by IARC or NTP and is not regulated as a carcinogen by OSHA.

(See also Section 15 for related information)

Section 12 Ecological Information

Chemical Fate and Effects: No data available.

Section 13 Disposal Considerations

RCRA Hazardous Waste: This material, when discarded or disposed of, could be a hazardous waste according to federal regulations (40 CFR 261) due to the characteristic of ignitability (D001). The transportation, storage, treatment, and disposal of this waste must be conducted in compliance with 40 CFR 262, 263, 264, 268, and 270. Disposal can only occur in properly permitted facilities. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate.

Section 14 Transportation Information

Regulated by the US DOT: Yes

DOT Proper Shipping Name: Paint

UN / NA Number: UN 1263

Section 15 Regulatory Information

CERCLA:
The Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification to the National Response Center for releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4 (for CERCLA 102).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS#	Maximum Concentration (Wt. %)
None	N/A	N/A

SARA Title III, section 311/312:
The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS#	Maximum Concentration (Wt. %)
None	N/A	N/A

SARA Title III, section 313:
The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS#	Maximum Concentration (Wt. %)
Methyl Isobutyl Ketone	108-10-1	1%

TSCA:

The components of this mixture are listed in the Toxic Substance Control Act Inventory of Chemical Substances.

This product contains the following chemicals which require export notification under section 12(b) of the TSCA regulation:

Chemical Name	CAS#	TSCA Section
Isopropyl Alcohol	67-63-0	Sec. 4
Methyl isobutyl ketone	108-10-1	Sec. 4

Section 16 Other Information

Legend:
N/A: Not Applicable
N/D: Not Determined
N/E: Not Established
N/R: Not Required
STEL: Short Term Exposure Limit
C: OSHA Ceiling Value
cps: Centipoise
mg/m^3: milligrams per cubic meter
mppcf: million particles per cubic foot of air.
PPM: Parts Per Million
PPB: Parts Per Billion
PEL: Permissible Exposure Limit
TLV: Threshold Limit Value
TWA: Time Weighted Average
ACGIH: American Conference of Governmental Industrial Hygienists
CPSC: Consumer Product Safety Commission
DOT: United States Department of Transportation
FHSA: Federal Hazardous Substance Act
OSHA: Occupational Safety and Health Administration (US Dept. of Labor)
RCRA: Resource Conservation and Recovery Act
SARA: Superfund Amendment and Reauthorization Act
Skin: This substance has the potential to be absorbed systemically through the skin.
TSCA: Toxic Substance Control Act

HMIS Key

4 = Severe Hazard
3 = Serious Hazard
2 = Moderate Hazard
1 = Slight Hazard
0 = Minimal Hazard

Prepared By: Zinsser Health and Safety Manager, Regulatory Compliance Dept.
173 Belmont Drive Somerset, NJ 08875 (732) 469-8100

Disclaimer: William Zinsser Company, Inc. believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and make no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data and to comply with all applicable international, federal, state, and local laws and regulations.

330020

Bennette Paint Manufacturing Co., Inc.
Material Safety Data Sheet

PRODUCT NAME: Clear Gloss Polyurethane
PRODUCT CODE: 330020 (see ADDENDUM)

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: BENNETTE PAINT MANUFACTURING COMPANY INC.
ADDRESS: 401 Industry Drive, Hampton, Virginia 23661
EMERGENCY PHONE: 757-838-7777
DATE PREPARED: 06-14-2002
INFORMATION PHONE : 757-838-7777
NAME OF PREPARER: Bennette Paint Mfg. Co., Inc.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS OSHA PEL	ACGIH TLV	OTHER	VAPOR PRESSURE mm Hg	@ TEMP	WEIGHT PERCENT
XYLENE*** or	1330-20-7	100 ppm	100 ppm	150 ppm	25.0	77° F	0.34
ETHYL BENZENE***	100-41-4	100 ppm	100 ppm	NR	10.0	0° F	0.30
MINERAL SPIRITS	8052-41-3	100 ppm	NR	NR	10.0	77° F	48.62

***This chemical is subject to the reporting requirement of section 313 of the Emergency Planning and Community Right-To-Know Act of 19 86 and of 40 CFR 372.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 275 to 305 deg F
VAPOR DENSITY: HEAVIER THAN AIR
V.O.C.: ≤3.8 LB/GL (450 GR/LT)
EVAPORATION RATE : Slower Than Ether
WEIGHT PER GALLON : 7.20
SPECIFIC GRAVITY (H20=1): 0.9

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 105 deg F **METHOD USED**: TCC **FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER** : 0.9% **UPPER**: 7.0%

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES Wear self-contained breathing apparatus. Water may be unsuitable except as a cooling medium.

UNUSUAL FIRE AND EXPLOSION HAZARDS Keep away from heat, sparks, and open flames. Fight as volatile liquid fire. Use water to keep fire-exposed containers cool to reduce pressure.

SECTION V - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: Extreme heat or humidity. Any source of ignition.
INCOMPATIBILITY (MATERIALS TO AVOID) Avoid contact with strong oxidizing agents.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS Usual products of combustion-CO, CO2, and possible acrolein.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR None

SECTION VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE Inhalation: temporary dizziness, headache, possible nausea; symptoms disappear when exposure ceases. Eye or skin contact may cause discomfort by defatting action of solvent. Repeated contact to skin may cause dermatitis.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE Any existing skin or respiratory ailments.

PRIMARY ROUTE(S) OF ENTRY: Dermal, inhalation

EMERGENCY AND FIRST AID PROCEDURES Remove patient to fresh air. Flush eyes with clean water for 15 minutes. Wash skin thoroughly and remove saturated clothing. If symptoms persist, seek medical attention.

CARCINOGENICITY: N/A **NTP?** No **IARC MONOGRAPHS?** No **OSHA REGULATED?** Yes

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED FOR SPILLED Remove sources of ignition and provide ventilation. Large spills may be scooped up with non-sparking tools. Provide respiratory protection if required. Small quantities may be picked up with absorbent material

WASTE DISPOSAL METHOD Place in closed containers. In accordance with local, state, and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Keep away from heat, sparks, and open flame. NO SMOKING. Use in well ventilated areas. Avoid prolonged skin contact. Do not breathe spray mist. Combustible liquid - Class II. Handle with extreme caution.

OTHER PRECAUTIONS Ground containers when pouring and limit free fall to a few inches to prevent static sparks. Avoid spontaneous combustion of contaminated rags and other easily ignitable organic accumulations by immediate immersion in water. Emptied containers may retain hazardous properties. DO NOT cut, puncture, or weld on or near containers. Keep away from children.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION Approved mask or respirator for organic vapors.

VENTILATION Designed and maintained to provide volume and pattern sufficient to prevent vapor concentration in excess of TLV or LEL.

PROTECTIVE GLOVES Neoprene rubber gloves.

EYE PROTECTION Goggles or side shield spectacles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT Eye wash station and safety showers should be available.

WORK/HYGIENIC PRACTICES Wash hands after use, before eating, smoking or using washroom.

SECTION IX - DISCLAIMER

Bennette Paint Mfg. believes that the information contained in this MSDS is correct as of this date. However, because the material may be used under conditions over which Bennette Paint Mfg. has no control or in ways we can not anticipate, we give no warranty, expressed, or implied, as to the accuracy of the information and assume no responsibility for any damages.

ADDENDUM

ADDENDUM DATE OF PREPARATION 06-14-2002

PRODUCT NUMBERS 330020, 330023

PRODUCT NAME Clear Polyurethane

Material Safety Data Sheet

Section 1 General Information

Manufacturer:
William Zinsser and Company, Inc.
173 Belmont Drive
Somerset, NJ 08875
(732) 469-8100

HMIS Rating

HEALTH:	1
FLAMMABILITY:	0
REACTIVITY:	0

Emergency Telephone: Chemtrec (800) 424-9300

Date: June 12, 2000

Product Name: **DIF Gel**

Product Codes: 02431 02432

Section 2 Hazardous Ingredients

Hazardous Component	CAS#	OSHA PEL	ACGIH TLV

None.

Section 3 Hazard Identification

Emergency Overview: This material is a translucent blue gel with a mild odor. This material is not flammable and has a flashpoint above 200° F.

Primary Routes of Exposure:
Skin Contact
Eye Contact

Potential Acute Health Effects:

Eye: May cause eye irritation.

Skin: Prolonged or repeated skin contact may cause irritation.

Ingestion: Not hazardous under intended use conditions.

Inhalation: Not hazardous under intended use conditions.

Potential Chronic Health Effects: None known.

(See also Sections 4, 8, and 11 for related information)

Section 4 First Aid Measures

Eye contact: Flush eyes with water for at least 15 minutes.

Skin contact: Wash with soap and water.

Ingestion: If the person is conscious and able to swallow have them drink water to dilute. Call a poison control center, physician, or emergency room.

Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of vapors or mists, remove to fresh air and seek medical attention if cough or other symptoms develop.

Section 5 Fire Fighting Measures

Flash Point (method): Greater than 200° F

Extinguishing Media: Use foam, carbon dioxide, or water spray when fighting fires involving this material.

Protection of Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 Accidental Release Measures

Clean Up Methods: Keep unnecessary people away. Floors may be slippery; care should be exercised to avoid falls. Dike and contain spill with inert material (sand, earth, etc.) and transfer liquid to containers for recovery or disposal.

(See also Section 8 for information on Exposure Controls and Personal Protective Equipment)

Section 7 Handling and Storage

Handling: Protect against physical damage.

Storage: Store at ambient temperature. Keep from freezing. Keep container closed to prevent drying out.

Section 8 Exposure Controls / Personal Protection

Engineering Controls: If necessary, use general room dilution ventilation, process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal Protective Equipment (PPE):

Eye Protection: Eye contact should be avoided. Where eye contact is likely, wear chemical splash goggles and/or full-face shield.

Skin Protection: None needed under normally anticipated use conditions. Individuals who have skin sensitivities should wear rubber gloves and other protective clothing to prevent skin contact.

Respiratory Protection: None needed under normally anticipated use conditions. If vapor levels exceed allowable exposure limits, wear a NIOSH approved air-purifying respirator with an organic vapor cartridge.

General Hygiene Practices: Avoid eye and skin contact. Avoid breathing vapors. Wash hands before eating and drinking.

Section 9 Physical Data

Appearance:	Translucent blue gel.	**Odor:**	Mild odor
Physical State:	Gel	**pH:**	Ranges from 7 – 8
Boiling Point:	Greater than 212° F	**Melting/Freezing Point:**	32° F
Vapor Pressure:	N/D	**Vapor Density:**	Heavier than air.
Odor Threshold:	N/D	**Viscosity:**	35,000 cps
Solubility in Water:	100%	**Specific Gravity** (water = 1):	> 1

Section 10 Stability and Reactivity

Stability: Stable, non-reactive.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: None known.

Incompatibility: None known.

Section 11 Toxicological Information

Acute Health Effects

Sensitization: This material is not considered a sensitizer (as tested in accordance with the FHSA 16 CFR Part 1500.3).

Eye Irritation: This material is not considered a primary eye irritant (as tested in accordance with the FHSA 16 CFR 1500.3).

Dermal Irritant: This material is not considered a primary dermal irritant (as tested in accordance with the FHSA 16 CFR Part 1500.3).

Toxic by Ingestion: This material is not considered toxic when tested for acute oral toxicity (as tested in accordance with the FHSA 16 CFR 1500.3).

Inhalation Irritant: This material is not considered toxic when tested for acute inhalation toxicity (as tested in accordance with the FHSA 16 CFR 1500.3).

Carcinocenicity: This material is not considered a carcinogen by IARC or NTP and is not regulated as a carcinogen by OSHA.

Section 12 Ecological Information

Chemical Fate and Effects: No data available.

Section 13 Disposal Considerations

Recommended Waste Disposal Method: This material is not considered hazardous waste under Federal Hazardous Waste Regulations (40CFR 261). However, state and local requirements for waste disposal may be more restrictive or otherwise differ from federal regulations. Chemical additions, processing or otherwise altering this material may render the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Consult all applicable federal, state, and local regulations regarding the proper disposal of this material.

Section 14 Transportation Information

Regulated by the US DOT: No

DOT Proper Shipping Name: Paint Products Non-Hazardous

UN / NA Number: N/A

Section 15 Regulatory Information

CERCLA:
The Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification to the National Response Center for releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4 (for CERCLA 102).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS#	Maximum Concentration (Wt. %)
None	N/A	N/A

SARA Title III, section 311/312:
The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS#	Maximum Concentration (Wt. %)
None	N/A	N/A

SARA Title III, section 313:
The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS#	Maximum Concentration (Wt. %)
None	N/A	N/A

TSCA:

The components of this mixture are listed in the Toxic Substance Control Act Inventory of Chemical Substances.

This product contains the following chemicals which require export notification under section 12(b) of the TSCA regulation:

Chemical Name	CAS#	TSCA Section
Acrylic Acid	79-10-7	Sec. 4

Section 16 Other Information

Legend:

N/A: Not Applicable
N/D: Not Determined
N/E: Not Established
N/R: Not Required
STEL: Short Term Exposure Limit
C: OSHA Ceiling Value
cps: Centipoise
mg/m^3: milligrams per cubic meter
mppcf: million particles per cubic foot of air.
PPM: Parts Per Million
PPB: Parts Per Billion
PEL: Permissible Exposure Limit
TLV: Threshold Limit Value
TWA: Time Weighted Average
ACGIH: American Conference of Governmental Industrial Hygienists
CPSC: Consumer Product Safety Commission
DOT: US Department of Transportation
FHSA: Federal Hazardous Substance Act
OSHA: Occupational Safety and Health Administration (US Dept. of Labor)
RCRA: Resource Conservation and Recovery Act
SARA: Superfund Amendment and Reauthorization Act
Skin: This substance has the potential to be absorbed systemically through the skin.
TSCA: Toxic Substance Control Act

HMIS Key

4 = Severe Hazard
3 = Serious Hazard
2 = Moderate Hazard
1 = Slight Hazard
0 = Minimal Hazard

Prepared By: Zinsser Health and Safety Manager, Regulatory Compliance Dept.
173 Belmont Drive Somerset, NJ 08875 (732) 469-8100

Disclaimer: William Zinsser Company, Inc. believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety

data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and make no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data and to comply with all applicable international, federal, state, and local laws and regulations.

0875 FDC DRYWALL PRIMER

PRODUCT NAME: MACO FDC DRYWALL PRIMER HMIS CODES: H F R P
PRODUCT CODE: 0875 1 0 0 B

SECTION 1-MANUFACTURER INDENTIFICATION

MANUFACTURER'S NAME: KWAL-HOWELLS INC.
ADDRESS: 3900 JOLIET STREET, DENVER, CO 80239
EMERGENCY PHONE: 303-629-1123 INFORMATION PHONE: 303-371-5600
DATE REVISED: 12-14-98 NAME OF PREPARER: M ZINK
REASON REVISED: RMPCC

SECTION II-HAZARDOUS INGREDIENTS/SARAIII INFORMATION

		OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE	WEIG
HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	OTHER	mm HG @ Temp	Per

NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT
No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.

BOILING POINT: N/A SPECIFIC GRAVITY (H20=1): 1.45
VAPOR DENSITY: LIGHTER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
COATING V.O.C.: 0.26 LB/GL (33G/L)
SOLUBILITY IN WATER: SOLUBLE
APPEARANCE AND ODOR: Viscous liquid with slight ammonia or sweet odor.

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A METHOD USED: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER N/A UPPER: N/A
EXTINGUISHING MEDIA: Foam, alcohol foam, CO2, dry chemical, Water Fog
SPECIAL FIREFIGHTING PROCEDURES: full protective equipment including a self-contained breathing apparatus is recommended to protect fire fighters from any hazardous combustion products.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Water may be used to cool containers to prevent pressure build up and explosion when exposed to extreme heat.

SECTION V-REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: Do not heat above 200°F.
INCOMPATABILITY (MATERIALS TO AVOID): None known at this time.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None known at this time.
HAZARDOUS POYMERIZATION: Will not occur.

SECTION VI-HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Inhalation of high concentrations of vapors may cause headache, nausea and irratation of the nose, throat, and lungs.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Eye contact may cause irritation of burning of the eyes. Repeated liquid contact may cause skin irritation and dermatitis.
SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: None known at this time.
INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Swallowing can cause gastrointestinal irritation, nausea, vomiting and diarrhea, vomiting can result in aspiration of material into the lungs which can cause chemical pneumonitis.
HEALTH HAZARDS (ACUTE AND CHRONIC): ACUTE: (SHORT TERM) Over exposure may cause headache, nausea, skin and eye irritation
CHRONIC: (LONG TERM) Unprotected over exposure may cause serious health problems.
CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known at this time.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If breathing has stopped, apply artificial respiration. Consult a physician.

EYE CONTACT: Wash eyes with clean water for at least 15 minutes. Consult a physician.

SKIN CONTACT: Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician.

INGESTION: Drink 1 or 2 glasses of water to dilute. Consult a physician or poison control center immediately

SECTION VII-PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area. Prevent skin and eye contact and breathing of vapor. Contain and remove with inert absorbent.

WASTE DISPOSAL METHOD: Do not allow material to contaminate ground water systems. Absorb large spills with sand, clay, or diatomaceous earth. Dispose of in accordance with local, state and federal disposal requirements.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store above 200 f.

OTHER PRECAUTIONS: Do not take internally. Keep out of reach of children.

SECTION VIII-CONTROL MEASURES

RESPIRATORY PROTECTION: None required for brush and roll application. For spray application, wear a properly fitted NIOSH/MSHA (TC-23C) approved vapor/particulate respirator until all vapors and spray mist are exhausted.

VENTILATION: Provide sufficient ventilation in volume and pattern to keep air contaminant concentration below applicable OSHA PEL or ACGIH occupational exposure limits.(SECTION II)

PROTECTIVE GLOVES: Impervious gloves are recommended to prevent skin contact.

EYE PROTECTION: Use chemical safety goggles or face shield to prevent eye contact.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, gloves and hood are recommended during spray application. Protective creams may be used for ease of clean up, not for protection.

WORK/HYGIENIC PRACTICES: Wash hands before eating or using the restroom.

SECTION IX-DISCLAIMER

DISCLAIMER: As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state law(s). However, no warranty or representation with respect to such information is intended or given.

#0875 FDC DRYWALL PRIMER SPECS

More MSDS INFORMATION

Kwal-Howells Paint

3900 Joliet Street

Denver, CO 80239-3231

Phone:303-371-5600 Fax:303-373-5688

Phone: 800-383-8406

E mail:info@kwal-howells.com

Website design by Contractors Network LLC.

MATERIAL SAFETY DATA SHEET

B66Y37
17 00

DATE OF PREPARATION
Nov 24, 2013

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER
B66Y37
PRODUCT NAME
DTM ACRYLIC Gloss Acrylic Coating, Safety Yellow
MANUFACTURER'S NAME
THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, OH 44115

Telephone Numbers and Websites

Product Information	(800) 524-5979 www.sherwin-williams.com
Regulatory Information	(216) 566-2902 www.paintdocs.com
Medical Emergency	(216) 566-2917
Transportation Emergency*	(800) 424-9300
**for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)*	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
4	**111-77-3**	**2-(2-Methoxyethoxy)-ethanol**		
		ACGIH TLV	Not Available	1 mm
		OSHA PEL	Not Available	
7	**13463-67-7**	**Titanium Dioxide**		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	10 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	

SECTION 3 — HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE
INHALATION of vapor or spray mist.
EYE or SKIN contact with the product, vapor or spray mist.
EFFECTS OF OVEREXPOSURE
EYES: Irritation.
SKIN: Prolonged or repeated exposure may cause irritation.
INHALATION: Irritation of the upper respiratory system.

In a confined area vapors in high concentration may cause headache, nausea or dizziness.
SIGNS AND SYMPTOMS OF OVEREXPOSURE
Redness and itching or burning sensation may indicate eye or excessive skin exposure.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.
CANCER INFORMATION
For complete discussion of toxicology data refer to Section 11.

HMIS Codes

Health	2*
Flammability	0
Reactivity	0

SECTION 4 — FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 — FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL	FLAMMABILITY CLASSIFICATION
Not Applicable	Not Applicable	Not Applicable	Not Applicable

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Alcohol Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.

Remove with inert absorbent.

SECTION 7 — HANDLING AND STORAGE

STORAGE CATEGORY

Not Applicable

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	9.10 lb/gal	1090 g/l
SPECIFIC GRAVITY	1.10	
BOILING POINT	212 - 500 °F	100 - 260 °C
MELTING POINT	Not Available	
VOLATILE VOLUME	65%	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	Not Available	
pH	9.5	

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)

1.59 lb/gal	191 g/l	Less Water and Federally Exempt Solvents
0.68 lb/gal	81 g/l	Emitted VOC

SECTION 10 — STABILITY AND REACTIVITY

STABILITY — Stable
CONDITIONS TO AVOID
None known.
INCOMPATIBILITY
None known.
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide
HAZARDOUS POLYMERIZATION
Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS
IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."
TOXICOLOGY DATA

CAS No.	Ingredient Name			
111-77-3	**2-(2-Methoxyethoxy)-ethanol**			
		LC50 RAT	4HR	Not Available
		LD50 RAT		5500 mg/kg
13463-67-7	**Titanium Dioxide**			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available

SECTION 12 — ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION
No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD
Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.
Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 — TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.
US Ground (DOT)
Not Regulated for Transportation.
Canada (TDG)
Not Regulated for Transportation.
IMO
Not Regulated for Transportation.
IATA/ICAO
Not Regulated for Transportation.

SECTION 15 — REGULATORY INFORMATION

SARA 313 *(40 CFR 372.65C)* SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
	Glycol Ethers	4	

CALIFORNIA PROPOSITION 65
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
TSCA CERTIFICATION
All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

5c

MATERIAL SAFETY DATA SHEET

Manufacturer's Name:

Masterchem ®Industries, Inc.
P.O. Box 368
3135 Highway M
Barnhart, MO 63012
Company Code: MTER
Issue Date: August 6, 1998

Transportation Emergencies:
Call Chemtrec
1-800-424-9300
Emergency Telephone No.
1-800-325-3552
Medical Emergencies:
1-800-228-5635 Ext. 219

NPCA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM
RATING IDENTIFICATION
4 = EXTREME
HEALTH 3
3 = HIGH
FLAMMABILITY 4
2 = MODERATE
REACTIVITY 0
1 = SLIGHT CHRONIC HEALTH See Section V
0 = MINIMAL

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: **Kilz® Aerosol**
PRODUCT NUMBER: 51652-10004-4
PRODUCT CLASS: Aerosol Spray Primer (60% VOC)

SECTION II A-HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE	LISTED AS A CARCINOGEN
			TLV	PEL		
64742-89-8	17.60	VM & P Naphtha (Aliphatic Hydrocarbon)	300 ppm	300 ppm	15 mm @ 37.7°C	No
68476-86-8	24.00	Propellant (Propane/Butane/Isobutane Blend)	900 ppm	900 ppm	70 PSIG @ 25° C	No
67-64-1	15.50	Acetone	750 ppm	750 ppm	231 mm HG @ 25 °C	No
108-03-2	2.40	1-Nitropropane	25 ppm	25ppm	7.5 mm HG @ 20 °C	No
SECTION II B – OTHER INGREDIENTS						
71243-64-6	5-15	Alkyd Resin	-	-	-	No
13463-67-7	10-25	Titanium Dioxide	-	-	-	No

SECTION III - PHYSICAL DATA

APPEARANCE: White, Aerosol Spray	ODOR: Mild, Sweet Ketone
BOILING RANGE: Minus 43.7 F to plus 282° F	VAPOR DENSITY: ☒ HEAVIER ☐ LIGHTER THAN AIR
EVAPORATION RATE: ☒ FASTER ☐ SLOWER THAN BUTYL ACETATE	- 81.5% VOLATILE VOLUME: 7.93 POUNDS WT/GAL

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA 1A	FLASH POINT: Minus 156 F FTCC	LEL: 1.8	DOT: Consumer Commodity ORM-D

EXTINGUISHING MEDIA:					
DRY CHEMICAL ☒	ALCOHOL FOAM ☐	WATER FOG ☐	FOAM ☒	CO_2 ☒	OTHER ☐

UNUSUAL FIRE AND EXPLOSION HAZARDS: Explosive air/vapor mixtures may form when exposed to heat. Vapors are heavier than air and may travel along the ground and be ignited by open flame, sparks, static discharge or by other sources of ignition. Containers may burst when exposed to extreme heat. Over exposure to combustion products may cause a health hazard. Obtain medical attention.

SPECIAL FIREFIGHTING PROCEDURES: Full protective equipment, including self-contained breathing apparatus, should be used to protect firefighters from any hazardous combustion products.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Inhalation: Irritation of the respiratory tract or acute nervous system depression characterized by the following progressive steps; headache, dizziness, staggering gait, confusion, unconsciousness, or coma. Skin or eye contact: Primary irritant.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Reports have associated repeated and prolonged occupation overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

PRIMARY ROUTE(S) OF ENTRY:

DERMAL ☒	INHALATION ☒	INGESTION ☒

EMERGENCY AND FIRST AID PROCEDURES: Inhalation: Remove to fresh air. If respiration has stopped restore breathing. Treat symptomatically. Consult a physician. Splash (eyes): Flush immediately with large amounts of water for at least 15 minutes. Take to physician for medical treatment. Splash (skin): Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. Ingestion: Drink 1 or 2 glasses of water to dilute. Do **not** induce vomiting. Consult physician or poison control center immediately. Treat symptomatically.

SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE ☐ STABLE ☒

HAZARDOUS POLYMERIZATION: MAY OCCUR ☐ WILL NOT OCCUR ☒

HAZARDOUS DECOMPOSITION PRODUCTS: May produce fumes when heated to decomposition, as in welding or fire. Fumes may contain: carbon monoxide, carbon dioxide, hydrocarbons, oxides of nitrogen and other products of combustion.

CONDITIONS TO AVOID: High temperatures or high humidities. Heat, sparks or open flame.

INCOMPATIBILITY: (MATERIALS TO AVOID) Peroxides or strong oxidizing agents.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Limit spread of spill or leak. Remove all sources of ignition and ventilate area. Soak up with inert absorbent material. Use non-sparking tools when removing wet absorbent. See Section VIII for required protective measures. Keep material out of sewers and/or drains.

WASTE DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations. Dry primer and empty aerosol containers may be landfilled. Full or partially full aerosol containers should not be punctured or incinerated and should be treated as hazardous waste which requires disposal at an approved hazardous waste site.

SECTION VIII-SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory protection (NIOSH/MSHA TC 23C or Equivalent) or leave the area.

VENTILATION: Open doors and windows to provide ventilation of sufficient volume and pattern to keep air contaminant concentrations below occupational exposure limits as shown in Section II A.

PROTECTIVE GLOVES: Required, rubber or neoprene to prevent skin contact.

EYE PROTECTION: Use safety eyewear including splash guards or side shields.

OTHER PROTECTIVE EQUIPMENT: Wear protective clothing. Remove and wash contaminated clothing before reuse.

HYGIENIC PRACTICES: Wash hands before eating or using the washroom. Smoke in smoking areas only.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store away from extreme heat, fire, or open flame. Store in accordance with OSHA 1910.106. Store in well ventilated areas. Store as level 3 aerosol (NFPA 30B).

OTHER PRECAUTIONS: DO NOT TAKE INTERNALLY. Avoid breathing vapors and spray mists. Avoid contact with skin and eyes. Protect containers from damage. Store away from any source of ignition. Do not heat, puncture or incinerate containers. Contents under pressure and may contain explosive vapors. Do not remove or deface label. Keep out of the reach of children

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. The product is no more hazardous than its component parts pursuant to 29CFR 1910.1200 (D). The technical information on this MSDS sheet is based upon information submitted by manufacturers and additional information furnished by distributor's chemical suppliers and manufacturers. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

PREPARED BY: William R. Benton	DATE PREPARED: April 28, 1999
TITLE: MSDS Coordinator	SUPERSEDES: August 6, 1998 KA-N

(Signature Available upon Request)

MATERIAL SAFETY DATA SHEET

Manufacturer's Name:

Masterchem® Industries, Inc.
P.O. Box 368
3135 Highway M
Barnhart, MO 63012
Company Code: MTER
Issue Date: August 4, 1998

Transportation Emergencies:
Call Chemtrec
1-800-424-9300
Emergency Telephone No.
1-800-325-3552
Medical Emergencies:
1-800-228-5635 Ext. 219

NPCA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM
RATING IDENTIFICATION
4=EXTREME
HEALTH 2
3=HIGH
FLAMMABILITY 3
2=MODERATE
REACTIVITY 0
1=SLIGHT CHRONIC HEALTH SEE SECTION V
0=MINIMAL

Section I - Product Identification

PRODUCT NAME: **Kilz® - One Gallon Can**
PRODUCT NUMBER: 51652-10001-3
PRODUCT CLASS: ALKYD RESIN PRIMER

SECTION II A-HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE	LISTED AS A CARCINOGEN
			TLV	PEL		
64742-88-7	14.94	Mineral Spirits (Aliphatic Hydrocarbon)	100 ppm	100 ppm	1.1 mm Hg @ 20°C	No
64742-89-8	21.29	VM & P Naphtha (Aliphatic Hydrocarbon)	300 ppm	300 ppm	9.8 mm Hg @ 20°C	No
SECTION II B - OTHER INGREDIENTS						
71243-64-6	15-25	Alkyd Resin	-	-	-	No
14807-96-6	15-30	Magnesium Silicate	-	-	-	No
13463-67-7	5-15	Titanium Dioxide	-	-	-	No

SECTION III - PHYSICAL DATA

APPEARANCE: White, Medium Viscosity Liquid	ODOR: Characteristic Hydrocarbon
BOILING RANGE: 240-375° F	VAPOR DENSITY: x HEAVIER o LIGHTER THAN AIR
EVAPORATION RATE: o FASTER x SLOWER THAN ETHER	58.82% VOLATILE VOLUME: 10.28 POUNDS WT/GAL

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA 1B	FLASH POINT: 75° F SETA	LEL: 0.9	DOT: ORM-D Consumer Commodity

EXTINGUISHING MEDIA:

DRY CHEMICAL x	ALCOHOL FOAM o	WATER FOG o	FOAM x	CO_2 x	OTHER o

UNUSUAL FIRE AND EXPLOSION HAZARDS: Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. During emergency conditions, overexposure to combustion products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Vapors may be ignited by static electricity or friction sparks.

SPECIAL FIREFIGHTING PROCEDURES: Full protective equipment, including self-contained breathing apparatus, should be used to protect firefighters from any hazardous combustion products.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Inhalation: Irritation of the respiratory tract or acute nervous system depression characterized by the following progressive steps; headache, dizziness, staggering gait, confusion, unconsciousness, or coma. Skin or eye contact: Primary irritant.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Reports have associated repeated and prolonged occupation overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

PRIMARY ROUTE(S) OF ENTRY:

DERMAL x	INHALATION x	INGESTION x

EMERGENCY AND FIRST AID PROCEDURES: Inhalation: Remove to fresh air. Restore breathing. Treat symptomatically. Consult a physician. Splash (eyes): Flush immediately with large amounts of water for at least 15 minutes. Take to physician for medical treatment. Splash (skin); Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. Ingestion: Drink 1 or 2 glasses of water to dilute. Do **not** induce vomiting. Consult physician or poison control center immediately. Treat symptomatically.

SECTION VI - REACTIVITY DATA

STABILITY:	UNSTABLE o	STABLE x
HAZARDOUS POLYMERIZATION:	MAY OCCUR o	WILL NOT OCCUR x

HAZARDOUS DECOMPOSITION PRODUCTS: May produce fumes when heated to decomposition, as in welding or fire. Fumes may contain: carbon monoxide, carbon dioxide, hydrocarbons and other products of combustion.

CONDITIONS TO AVOID: High temperatures or high humidities. Heat, sparks or open flame.

INCOMPATIBILITY: (MATERIALS TO AVOID) Peroxides or strong oxidizing agents.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Limit spread of spill or leak. Remove all sources of ignition. Soak up with inert absorbent material. Use non-sparking tools when removing wet absorbent. See Section VIII for required protective measures. Keep material out of sewers and/or drains.

WASTE DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations. Dry primer and empty containers may be landfilled. Full or partially full containers should be treated as hazardous waste which requires disposal at an approved hazardous waste site or incinerator.

SECTION VIII-SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory protection (NIOSH/MSHA TC 23C or Equivalent) or leave the area.

VENTILATION: Open doors and windows to provide ventilation of sufficient volume and pattern to keep air contaminant concentrations below occupational exposure limits as shown in Section II A.

PROTECTIVE GLOVES: Required, rubber or neoprene to prevent skin contact.

EYE PROTECTION: Use safety eyewear including splash guards or side shields.

OTHER PROTECTIVE EQUIPMENT: Wear protective clothing. Remove and wash contaminated clothing before re-use.

HYGIENIC PRACTICES: Wash hands before eating or using the washroom. Smoke in smoking areas only.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Use only in a well-ventilated area, store away from extreme heat, fire, or open flame. Store in accordance with OSHA 1910.106. Store in well ventilated areas.

OTHER PRECAUTIONS: DO NOT TAKE INTERNALLY. Avoid breathing vapors. Avoid contact with skin and eyes. Store away from any source of ignition. Keep containers tightly closed and in an upright position to prevent leakage. Do not remove or deface label. Keep out of the reach of children.

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. The product is no more hazardous than its component parts pursuant to 29CFR 1910.1200 (D). The technical information on this MSDS sheet is based upon information submitted by manufacturers and additional information furnished by distributor's chemical suppliers and manufacturers. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

PREPARED BY: Mr. William R. Benton	DATE PREPARED: August 15, 2001
NAME AND TITLE: W.R. Benton, MSDS Coordinator	SUPERSEDES: September 29, 1998

(Signature Available upon Request)

00 — Section 1 —
Product Identification

Material Safety Data Sheet

The Sherwin-Williams Company
Krylon Products Group
101 Prospect Avenue N.W.
Cleveland, OH 44115

Emergency telephone numbers (216) 566-2917 United States

Information telephone number (800) 251-2486
July 24, 2000

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KRYLON® PAINT ALL® Fast Dry Enamel - 1

PAINTALL1/KRI

— Section 2 —

CAS No.	Hazardous Ingredients (percent by weight)	ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	S04101 Flat White	S04102 Flat Black	S04103 Red	S04104 Yellow	S04105 Blue	S04106 Green	S04107 Orange	S04108 Brown
74-98-6	Propane	2500	1000	PPM	760.0	14	14	14	14	14	14	14	14
106-97-8	Butane	800	800	PPM	760.0	13	13	13	13	13	13	13	13
100-41-4 §	Ethylbenzene	100 <125>	100 <125>	PPM	7.1	3	2	3	3	4	3	3	3
1330-20-7 §	Xylene.	100 <150>	100 <150>	PPM	5.9	15	13	18	19	23	18	18	18
67-64-1	Acetone.	500 <750>	1000	PPM	180.0	42	47	39	37	26	39	39	39
14807-96-6	Talc	2	2	Mg/M3	as Resp. Dust	4	4						
471-34-1	Calcium Carbonate.	10	15[5]	Mg/M3	as Dust [Resp. Fraction]		1						
13463-67-7	Titanium Dioxide.	10	10[5]	Mg/M3	as Dust [Resp. Fraction]	3			2	3			
1333-86-4	Carbon Black.	3.5	3.5	Mg/M3			0.2						0.2
	Weight per Gallon (lbs.)					6.33	6.17	6.13	6.22	6.38	6.16	6.11	6.16
	VOC Less Federally Exempt Solvents - (percent by weight)					44.4	43.2	49.1	49.6	54.8	48.7	48.6	48.8
	Flash Point (°F)					< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
	HMIS (NFPA) Rating (health - flammability - reactivity)					2 - 4 - 0	2* - 4 - 0	2 - 4 - 0	2 - 4 - 0	2 - 4 - 0	2 - 4 - 0	2 - 4 - 0	2* - 4 - 0

% BY WEIGHT

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

→→→ *MSDS Text Page Follows* →→→

Section 3 — Physical Data

PRODUCT WEIGHT	See TABLE	*EVAPORATION RATE*	Faster than Ether
SPECIFIC GRAVITY	0.73-0.79	*VAPOR DENSITY*	Heavier than Air
BOILING RANGE	<0 - 395 °F	*MELTING POINT*	N.A.
VOLATILE VOLUME	87-95 %	*SOLUBILITY IN WATER*	N.A.

Section 4 — Fire And Explosion Hazard Data

FLASH POINT
See TABLE *LEL* 1.0 *UEL* 12.8

EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS
Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 5 — Health Hazard Data

ROUTES OF EXPOSURE
Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE
Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE
Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES
If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give conscious patient several glasses of water. Seek medical attention.

CHRONIC Health Hazards
Carbon Black is classified by IARC as possibly carcinogenic to humans (Group 2B) based on experimental animals data, however, there is inadequate evidence in humans for its carcinogenicity.
Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems.
Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace.
Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section 6 — Reactivity Data

STABILITY – Stable
CONDITIONS TO AVOID – None known.
INCOMPATIBILITY – None known.
HAZARDOUS DECOMPOSITION PRODUCTS – By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Metals in Section 2
HAZARDOUS POLYMERIZATION – Will Not Occur

Section 7 — Spill Or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD
Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Barium must also be tested for extractability.
Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 8 — Protection Information

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.
These products may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m3 (total dust), 3 mg./m3 (respirable fraction), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).

VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.
When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES
None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

EYE PROTECTION
Wear safety spectacles with unperforated sideshields.

Section 9 — Precautions

DOL STORAGE CATEGORY – 1A

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.
During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.
Consult NFPA Code. Use approved Bonding and Grounding procedures.
Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section 10 — Other Regulatory Information

CALIFORNIA PROPOSITION 65
WARNING: These products contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION
All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 51-040

PREPARATION DATE: 12/22/97

SECTION I - IDENTIFICATION

GENERAL PAINT LTD.
950 Raymur Ave., Vancouver B.C. V6A 3L5
Telephone (604) 253-3131
Emergency Telephone No. (604) 253-4022
Trade Name: **LATEX DRYWALL SEALER**
Product Number: **51-040**
Chemical Family: Latex Emulsion
Product Use: Protective Coating
TDG CLASS: Non-Regulated
UN:

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	WT.% MIN	WT.% MAX	CAS#	UN#	TLV	LD50	LC50
PROPYLENE GLYCOL	0.5	1.5	57-55-6		10mg/m3	Dog >9g/kg oral;Rabbit >10g/kg	Not available

SECTION III - PHYSICAL DATA

PHYSICAL STATE: liquid
EVAPORATION RATE (butyl acetate = 1): <1
SPECIFIC GRAVITY: 1.29
BOILING POINT (deg. C): 100
VAPOUR PRESSURE (mm Hg): 17
FREEZING POINT: <0 deg.C
VAPOUR DENSITY (air = 1): <1
pH: 8-10

SECTION IV - FIRE AND EXPLOSION DATA

FLASHPOINT (deg.C): Non-Flammable
L.E.L.(% in air): Not Applicable

AUTO-IGNITION TEMP.(deg. C): 300
U.E.L.(% in air): Not Applicable
GENERAL: Non-Flammable Liquid
Empty product containers may contain product residue. Do not pressurize, cut, or heat.
COMBUSTION PRODUCTS: CO2, C0, nitrogen oxides, toxic fumes
FIRE FIGHTING: Use dry chemical,carbon dioxide or alcohol foam as extinguishing agents. Use water spray to cool closed containers. Respirators are required for firefighting personnel in enclosed areas.

SECTION V - REACTIVITY DATA

STABILITY: Stable.
INCOMPATABILITY: Do not mix with strong oxidizing agents, strong acids or bases, amines, halogens.
HAZARDOUS DECOMPOSITION PRODUCTS: Refer to combustion products SECTION IV.

SECTION VI - TOXICOLOGY DATA

SKIN CONTACT: May cause irritation upon repeated or prolonged contact.
EYE CONTACT: May cause conjunctivitis, mild transient corneal injury, or other tissue damage.
INHALATION: May cause headache, nausea, irritation of nose, throat, lungs.
INGESTION: May cause gastrointestinal irritation, nausea, vomiting, diarrhea. Ingestion of large quantities may be fatal.
CHRONIC EXPOSURE:
OTHER EFFECTS:

SECTION VII - PREVENTATIVE MEASURES

PROTECTIVE GLOVES: Chemical resistant
EYE PROTECTION: Safety glasses with sideshields.
RESPIRATORY PROTECTION: Approved particulate cannister mask during spray application.
OTHER CLOTHING: Coveralls.
ENGINEERING CONTROLS: Local exhaust ventilation to maintain exposure limits below individual TLVs. Adequate ventilation must be supplied in confined spaces or self-contained breathing apparatus must be used.
SPILL & LEAK PROCEDURE: Prevent from entering sewers or watercourses. Contain spread. Notify appropriate authorities. Ventilate enclosed spaces and wear respiratory protection. Pump up or soak up with sand or other non-flammable, inert absorbent.
WASTE DISPOSAL: Reclaim or dispose of in accordance with all local, provincial, and federal regulations.
HANDLING & STORAGE: Keep containers closed. Store in a cool, well-ventilated area away from oxidizing agents and other incompatable substances. Keep from freezing. Use good personal hygiene. Containers may retain residue when emptied and should be commercially cleaned before reuse. Keep out of reach of children.

SECTION VIII - FIRST AID MEASURES

SKIN: Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical attention if irritation persists. Launder contaminated clothing before reuse.
EYES: Flush with water for at least 20 minutes. Seek medical attention.
INHALATION: Rescuers should wear respiratory protection if entry into hazardous atmosphere is required. Remove victim immediately from contaminated area. Apply artificial respiration if breathing has stopped. Keep at rest. Obtain medical

attention immediately.
INGESTION: If victim is conscious give two glasses of water to drink. Keep at rest. Obtain medical attention immediately.

SECTION IX - PREPARATION INFORMATION

PREPARED BY: Technical Dept.
PRODUCT CODE: 51-040
General Paint Ltd.
DATE PREPARED: 12/22/97 □

SECTION 1 - PRODUCT INFORMATION

Product Identifier: 51-040 LATEX DRYWALL SEALER			
Product Use: Protective Coating			
Manufacturer's Name: General Paint Corp.		**Supplier's Name:** General Paint Corp.	
Street Address: 950 Raymur Ave		**Street Address:** 950 Raymur Ave	
City: Vancouver	**Province:** BC	**City:** Vancouver	**Province:** BC
Postal Code: V6A 3L5	**Emergency Phone:** (604) 253-4022	**Postal Code:** V6A 3L5	**Emergency Phone:** (604) 253-4022

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Ingredients(*Specific*)	%	CAS Number	LD 50 of Ingredient(Specify species,route)	LC 50 of Ingredient(Specify species)
TITANIUM DIOXIDE	8 - 9	13463-67-7	NOT AVAILABLE	NOT AVAILABLE
PROPYLENE GLYCOL	2.02 - 2.04	57-55-6	20000 MG/KG(ORAL, RAT)	NOT AVAILABLE

SECTION 3 - PHYSICAL DATA

Physical State: Liquid	**Odour and Appearance:** liquid with a slight ammonia smell	**Coating VOC(gm/l):** 127	**Odour Threshold(ppm):** Not Available
Specific Gravity: 1.3	**Vapor Density(air=1):** Not Available	**Vapor Pressure(mmHg):** Not Available	**Evaporation Rate:** Not Available
Boiling Point(° C): Greater than 100°C	**Freezing Point(° C):** Less than 0°C	**pH:** 8.5-9.5	**Coefficient of Water/Oil Distribution:** Not Available

SECTION 4 - FIRE AND EXPLOSION DATA

Flammability: No	**If yes, Under which Conditions?**Not Applicable	
Means of Extinction: Alcohol foam, Carbon dioxide, Dry chemical powder, Polymer foam		
Flashpoint and Method: "Not Applicable	**Upper Flammable Lt (% by Volume):**Not Applicable	**Lower Flammable Lt (% by Volume):**Not Applicable
Autoignition Temperature: Not Applicable	**Explosion Data - Sensitivity to Impact:** No	**Explosion Data - Sensitivity to Static discharges:** No
Hazardous Combustion Pdts:carbon monoxide, carbon dioxide, acrid, irritant fumes (components not specified), calcium oxide, silicon oxide, aluminum oxide, nitrogen oxides, sulfur oxides, magnesium oxide, carbone dioxide, methane		

SECTION 5 - REACTIVITY DATA

Chemical Stability: Stable	**If Yes, Under which Conditions?** Not Applicable
Incompatibility with other substances: Yes	**If yes, which ones?** Strong Acids Strong Oxidizing agents Strong Bases
Reactivity, and under what conditions? heat, generation of dust, ignition sources	
Hazardous Decomposition Products: oxides of nitrogen, acetaldehyde, acetic acid, carbon dioxide, aldehydes	

SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry	**Skin Contact:** Yes	**Absorption:** Yes	**Eye Contact:** Yes	**Inhalation:** Yes	**Ingestion:** Yes
Effects to Acute exposure to Product: Insufficient Data					
Effects to Chronic exposure to Product: PROPYLENE GLYCOL has been known to cause LACTIC ACIDOSIS.					
Exposure Limits (Value,Units,By) TITANIUM DIOXIDE: 10 mg/m3 ACGIH PROPYLENE GLYCOL: 10 mg/m3 AIHA					
Irritancy (if yes, explain)					
Sensitization (if yes, explain)			**Carcinogenicity (if yes, explain)** TITANIUM DIOXIDE is possibly carcinogenic to humans(2B) by IARC.		
Reproductive Toxicity (if yes, explain)			**Teratogenicity (if yes, explain)**		
Mutagenicity (if yes, explain)			**Synergistic Products (if yes, explain)**		

SECTION 7 - PREVENTIVE MEASURES

Personal Protective Equipment	**Gloves:** No	**Respirator:** Yes	**Eye:** No	**Footwear:** No	**Clothing:** No	**Other:** No
If checked, specify type: Respirator: NIOSH APPROVED						
Engineering controls (specify such as ventilation, enclosed process): Use mechanical ventilation to reduce exposure, ground all equipment and avoid exposure to open flames or sparks.						
Leak and Spill Procedure: Wear adequate protective equipment and eliminate all ignition sources. Contain spill with absorbant material and place in a suitable covered and labeled container for disposal.						
Waste Disposal: Check with Federal, Provincial and local government regulations and requirements for disposal.						
Handling Procedures and Equipment: Use in a well ventilated area. Do not use with incompatible substances and keep away from heat and all ignition sources. Use grounded and non-sparking equipment only.						
Storage Requirements: Store in a cool, well ventilated area out of direct sunlight. Store away from heat and all ignition sources. Storage facility should be manufactured out of fire resistant materials.						
Special Shipping Information: None Required						

SECTION 8 - FIRST AID MEASURES

Inhalation: Remove to fresh air. Get medical help if there is any breathing difficulty.
Ingestion: Do not induce vomiting unless directed by a physician. If conscious and alert, give two glasses of water. Seek medical attention immediately.
Skin Contact: Remove Contaminated clothing (including shoes) and wash before reuse. Flush with large amounts of soap and water. If irritation persists, seek medical attention.
Eye Contact: Flush eyes with large amounts of lukewarm water for 20 minutes, while holding eyelids open or until irritation subsides. If irritation persist, get medical attention.

SECTION 9 - PREPARATION INFORMATION

Prepared by:	**Phone:**	**Preparation Date:**
General Paint Technical Dept	(604) 253-3131	Feb 11, 2011

DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 8010
NIIN: 00F027511
Manufacturer's CAGE: HUNTI
Part No. Indicator: A
Part Number/Trade Name: HAMMERITE OIL BASE

General Information

Item Name: PAINT
Company's Name: HUNTING SPECIALTY PRODUCTS, INC
Company's Street: 265 S. WEST STREET
Company's P. O. Box: N/K
Company's City: LEBANON
Company's State: OH
Company's Country: US
Company's Zip Code: 45036
Company's Emerg Ph #: 513-241-9202
Company's Info Ph #: 513-241-9202
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: F
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 01APR89
Safety Data Review Date: 07MAY93
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company: HUNTING SPECIALTY PRODUCTS, INC
Preparer's St Or P. O. Box: 265 S. WEST STREET
Preparer's City: LEBANON
Preparer's State: OH
Preparer's Zip Code: 45036
Other MSDS Number:
MSDS Serial Number: BQZQX
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code:
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

Report for NIIN: 00F027511

NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

Ingredients/Identity Information

Proprietary: NO
Ingredient: XYLENE, DIMETHYLBENZENE, XYLOL
Ingredient Sequence Number: 01
Percent: 26-31
Ingredient Action Code:
Ingredient Focal Point: F
NIOSH (RTECS) Number: ZE2100000
CAS Number: 1330-20-7
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM, SKIN
Other Recommended Limit: 100 PPM

Proprietary: NO
Ingredient: METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (CHLOROTHENE NU), AEROTHANE TT, CHLOROTHENE
Ingredient Sequence Number: 02
Percent: 17-21
Ingredient Action Code:
Ingredient Focal Point: F
NIOSH (RTECS) Number: KJ2975000
CAS Number: 71-55-6
OSHA PEL: 350 PPM
ACGIH TLV: 1910 MG/CUM
Other Recommended Limit: 450 PPM STEL

Physical/Chemical Characteristics

Appearance And Odor: VISCOUS LIQUID, COLOR VARIES W/CHARACTERISTIC ODOR OF XYLENE & TRICHLOROETHANE
Boiling Point: N/K
Melting Point: N/K
Vapor Pressure (MM Hg/70 F): 34-44
Vapor Density (Air=1): N/K
Specific Gravity: 1.18-1.22
Decomposition Temperature: N/K
Evaporation Rate And Ref: N/K
Solubility In Water: INSOLUBLE
Percent Volatiles By Volume: 50
Viscosity:
pH: N/K
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss):
Corrosion Rate (IPY): N/K
Autoignition Temperature:

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Fire and Explosion Hazard Data

Flash Point: 23C
Flash Point Method: SCC
Lower Explosive Limit: N/K
Upper Explosive Limit: N/K
Extinguishing Media: FOAM, CO2, SAND, EARTH, OR OTHER INERT MEDIA. WATER MISTS CAN BE USED FOR LARGE FIRES. DON'T USE WATER JETS.
Special Fire Fighting Proc: WEAR SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire And Expl Hazrds: MONOMERIC STYRENE & TOXIC HALOGENATED COMPOUNDS ARE LIBERATED DURING A FIRE.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): INCANDESCENT HEAT SOURCES & NAKED FLAMES
Materials To Avoid: STRONG OXIDIZING AGENTS
Hazardous Decomp Products: MONOMERIC STYRENE, CO & TOXIC HALOGENATED HYDROCARBONS
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): N/K

Health Hazard Data

LD50-LC50 Mixture: N/K
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: INHALATION: NARCOTIC, NAUSEA, NOSE & THROAT IRRITATION. SKIN: IRRITATION & DEFATTING. EYES: IRRITATION.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE
Med Cond Aggravated By Exp: N/K
Emergency/First Aid Proc: EYES: FLUSH W/WATER FOR 10-15 MINS. INHALATION: REMOVE TO FRESH AIR. DON'T ALLOW PHYSICAL ACTIVITY FOR UP TO 46 HOURS AFTER EXPOSURE. INGESTION: DON'T INDUCE VOMITING, GIVE 1/2 PINT OF MILK TO DRINK. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: CONTAIN & ABSORB LARGE SPILL W/EARTH, SAND, ETC. PLACE IN SEALABLE CONTAINERS FOR DISPOSAL. ENSURE GOOD VENTILATION & NO NAKED FLAMES OR INCANDESCENT HEAT SOURCES.
Neutralizing Agent: N/K
Waste Disposal Method: CONTROLLED LANDFILL OR INCINERATION IN ACCORDANCE W/FEDERAL, STATE, & LOCAL REGULATIONS. SOLVENT RECOVERY IS POSSIBLE.
Precautions-Handling/Storing: USE ONLY IN WELL VENTILATED AREA. DON'T DRINK ALCOHOL WHILE WORKING W/THIS PRODUCT. STORE IN ORIGINAL UNOPENED CONTAINER OUT OF DIRECT SUNLIGHT.

Report for NIIN: 00F027511

Other Precautions: AVOID EYE & SKIN CONTACT. AVOID INHALATION OF VAPOR OR MIST. DON'T DRIVE, OPERATE MACHINERY OR CLIMB LADDERS IF EXPERIENCING SYMPTOMS OF INHALATION. PROTECT FROM EXTREME TEMPERATURES (KEEP BETWEEN 5-35C). KEEP OUT OF REACH OF CHILDREN.

Control Measures

Respiratory Protection: USE NUISANCE DUST MASKS WHEN SPRAYING.
Ventilation: ADEQUATE FORCED IN ENCLOSED SPACES. EXTRACTION FROM LOW LEVELS IS PREFERRED.
Protective Gloves: AS REQUIRED WHEN SPRAYING
Eye Protection: AS REQUIRED WHEN SPRAYING
Other Protective Equipment: N/K
Work Hygienic Practices: N/K
Suppl. Safety & Health Data: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING & INHALING THE CONTENTS MAY BE HARMFUL.

Transportation Data

Transportation Action Code:
Transportation Focal Point:
Trans Data Review Date:
DOT PSN Code:
DOT Symbol:
DOT Proper Shipping Name:
DOT Class:
DOT ID Number:
DOT Pack Group:
DOT Label:
DOT/DoD Exemption Number:
IMO PSN Code:
IMO Proper Shipping Name:
IMO Regulations Page Number:
IMO UN Number:
IMO UN Class:
IMO Subsidiary Risk Label:
IATA PSN Code:
IATA UN ID Number:
IATA Proper Shipping Name:
IATA UN Class:
IATA Subsidiary Risk Class:
IATA Label:
AFI PSN Code:
AFI Symbols:
AFI Prop. Shipping Name:
AFI Class:
AFI ID Number:
AFI Pack Group:
AFI Label:
AFI Special Prov:
AFI Basic Pac Ref:
MMAC Code:
N.O.S. Shipping Name:

Report for NIIN: 00F027511

Additional Trans Data:

Disposal Data

Disposal Data Action Code:
Disposal Data Focal Point:
Disposal Data Review Date:
Rec # For This Disp Entry:
Tot Disp Entries Per NSN:
Landfill Ban Item:
Disposal Supplemental Data:
1st EPA Haz Wst Code New:
1st EPA Haz Wst Name New:
1st EPA Haz Wst Char New:
1st EPA Acute Hazard New:
2nd EPA Haz Wst Code New:
2nd EPA Haz Wst Name New:
2nd EPA Haz Wst Char New:
2nd EPA Acute Hazard New:
3rd EPA Haz Wst Code New:
3rd EPA Haz Wst Name New:
3rd EPA Haz Wst Char New:

3rd EPA Acute Hazard New:

Label Data

Label Required: YES
Technical Review Date: 07MAY93
Label Date: 28APR93
MFR Label Number: N/R
Label Status: F
Common Name: HAMMERITE OIL BASE PAINT
Chronic Hazard: YES
Signal Word: DANGER!
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate: X
Acute Health Hazard-Severe:
Contact Hazard-None:
Contact Hazard-Slight: X
Contact Hazard-Moderate:
Contact Hazard-Severe:
Fire Hazard-None:
Fire Hazard-Slight:
Fire Hazard-Moderate:
Fire Hazard-Severe: X
Reactivity Hazard-None: X
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: INHALATION: NARCOTIC, NAUSEA, NOSE & THROAT IRRITATION. SKIN: IRRITATION & DEFATTING. EYES: IRRITATION. TH. TARGET ORGANS: CENTRAL NERVOUS SYSTEM, KIDNEYS, HEART, BRAIN, BLOOD, SKIN.

Report for NIIN: 00F027511

CARCINOGEN: SILICA DIOXIDE.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: HUNTING SPECIALTY PRODUCTS, INC
Label Street: 265 S. WEST STREET
Label P.O. Box: N/K
Label City: LEBANON
Label State: OH
Label Zip Code: 45036
Label Country: US
Label Emergency Number: 513-241-9202
Year Procured: UNK

M A T E R I A L S A F E T Y D A T A S H E E T

Prod.ID: A-66

PRODUCT NAME: POLYURETHANE ACCELERATOR HMIS CODES: H F R P
PRODUCT CODE: A-66 1 2 1 H

PRODUCT USE : CURING TIME ACCELERATOR
WHMIS INFO.:

========== SECTION I - MANUFACTURER IDENTIFICATION ==========

MANUFACTURER'S NAME: TOWER PAINT DIVISION OF CLOVERDALE PAINT
ADDRESS : 15846 - 111 AVENUE
EDMONTON,ALBERTA, CANADA
T5M 2R8

EMERGENCY PHONE : (780) 451 - 3830 REVISION DATE : 03/06/01
INFORMATION PHONE : (780) 451 - 3830 NAME OF PREPARER : TECHNICAL DEPT.

========== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ==========

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
BUTYL ACETATE	123-86-4	8	68	90

ACGIH TLV: 150 ppm
LD50: ORAL:14000 mg/kg(RAT), LC50: 2000 ppm/4H(RAT)

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***
N/A

========== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ==========

BOILING RANGE: 252 deg F SPECIFIC GRAVITY (H2O=1): 0.89
VAPOR DENSITY: HEAVIER THAN AIR
EVAPORATION RATE: FASTER THAN n-BUTYL ACETATE
COATING V.O.C. : 7.98 lb/gl
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: LIQUID WITH SOLVENT ODOUR.
FREEZING POINT: NOT AVAILABLE pH: N/AP
COEFFICIENT OF WATER/OIL DIST: N/A ODOR THRESHOLD: N/A

========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ==========

FLASH POINT: 77 deg F METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.4 UPPER: 7.6

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES
EXCLUDE AIR;DO NOT USE WATER EXCEPT AS A FOG.HANDLE AS A FLAMMABLE LIQUID.WEAR ADEQUATE RESPIRATORY PROTECTION.

UNUSUAL FIRE AND EXPLOSION HAZARDS
VAPOUR FORMS AN EXPLOSIVE MIXTURE BETWEEN UPPER AND LOWER FLAMMABLE LIMITS.

FLAMMABILITY - T.D.G.R. CLASS
3 P.I.N.:1263

SENSITIVITY TO IMPACT
N/A

SENSITIVITY TO STATIC DISCHARGE
NO

========== SECTION V - REACTIVITY DATA ==========

STABILITY: STABLE
CONDITIONS TO AVOID
SPARKS,OPEN FLAMES AND OTHER SOURCES OF IGNITION.

INCOMPATIBILITY (MATERIALS TO AVOID)
STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
CARBON MONOXIDE,CARBON DIOXIDE,OXIDES OF NITROGEN,ALDEHYDES MAY BE GENERATED BY THERMAL DECOMPOSITION.

HAZARDOUS POLYMERIZATION: WILL OCCUR

========== SECTION VI - HEALTH HAZARD DATA ==========

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
MODERATELY IRRITATING TO RESPIRATORY PASSAGES.PROLONGED EXPOSURE TO HIGH VAPOUR CONCENTRATIONS CAN CAUSE HEADACHES, NAUSEA,DIZZINESS,ANESTHESIA AND CENTRAL NERVOUS SYSTEM DEPRESSION.IN RARE CASES MAY SENSITIZE HEART CAUSING ARRYTHMIA.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
SKIN AND EYE IRRITATION WHICH MAY LEAD TO DERMATITIS WITH REPEATED OVEREXPOSURES. OVEREXPOSURE MAY RESULT IN ALLERGIC SENSITIVITY.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
REPEAT OR PROLONGED CONTACT CAN CAUSE DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
MAY CAUSE GASTROINTESTINAL IRRITATION,VOMITING,NAUSEA AND DIARRHEA.

HEALTH HAZARDS (ACUTE AND CHRONIC)
ACUTE HEALTH HAZARDS ARE AS LISTED ABOVE. CHRONIC HEALTH HAZARDS:REPORTS HAVE SHOWN REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS LEAD TO LIVER AND CARDIAC ABNORMALITIES.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No
N/A

TERATOGENICITY
YES

MUTAGENICITY
NOT AVAILABLE

TOXICOLOGICALLY SYNERGISTIC PRODUCTS
NOT AVAILABLE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
ANESTHESIA,RESPIRATORY TRACT IRRITATION,DERMATITIS,NAUSEA,VOMITING.

EMERGENCY AND FIRST AID PROCEDURES
INHALATION OVEREXPOSURE: MOVE PERSON TO FRESH AIR.IF BREATHING STOPS,APPLY ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION. EYE CONTACT: FLUSH WITH WATER FOR AT LEAST 15 MINTES,SEEK MEDICAL ATTENTION. SKIN CONTACT: WASH THOROUGHLY WITH MILD SOAP AND WATER. INGESTION: DO NOT INDUCE VOMITING,ASPIRATION OF THIS PRODUCT CAN CAUSE INFLAMMATION OF LUNGS.

========== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ==========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
ELIMINATE IGNITION SOURCES,PROVIDE GOOD VENTILATION OR WEAR APPROPRIATE

BREATHING APPARATUS,ABSORB SMALL SPILLS WITH NON FLAMMABLE ABSORBENT,CONTAIN

SPILLS BY DIKING WITH NON-FLAMMABLE ABSORBENT.NOTIFY ENVIRONMENTAL AGENCY.

WASTE DISPOSAL METHOD

RECLAIM OR DISPOSE OF THROUGH A LICENSED WASTE DISPOSAL COMPANY ACCORDING TO FEDERAL,PROVINCIAL AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

COMBUSTIBLE.STORE IN A COOL,DRY,WELL VENTILATED AREA AWAY FROM HEAT AND IGNITION SOUCES.KEEP CONTAINERS CLOSED WHEN NOT IN USE.AVOID BREATHING VAPOURS OR MIST AND PROLONGED OR REPEATED CONTACT WITH SKIN.

OTHER PRECAUTIONS

SMOKING IN AREA WHERE THIS MATERIAL IS USED SHOULD BE STRICLY PROHIBITED. EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES AND CAN BE DANGEROUS. USE GOOD PERSONAL HYGIENE.

========== SECTION VIII - CONTROL MEASURES ==========

RESPIRATORY PROTECTION

NIOSH APROVED FOR SOLVENT VAPOURS AND PARTICULATE MATTER.

VENTILATION

GENERAL MECHANICAL VENTILATION OR LOCAL EXHAUST SHOULD BE SUITABLE TO KEEP VAPOUR CONCENTRATIONS BELOW TLV. VENTILATION EQUIPMENT MUST BE EXPLOSION PROOF.

PROTECTIVE GLOVES

SOLVENT IMPERVIOUS.

EYE PROTECTION

CHEMICAL SAFETY GLASSES,GOGGLES OR FACE SHIELD.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

USE IMPERMEABLE APRONS AND PROTECTIVE CLOTHING WHENEVER POSSIBLE TO PREVENT SKIN CONTACT.

WORK/HYGIENIC PRACTICES

EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE IS RECOMMENDED.

========== SECTION IX - DISCLAIMER ==========

THE INFORMATION CONTAINED HEREIN HAS BEEN COMPLIED FROM SOURCES CONSIDERED BY TOWER PAINT TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF TOWER PAINT'S KNOWLEDGE.TOWER PAINT ASSUMES NO RESPONSIBILITY FOR INJURY TO RECIPIENT OR TO THIRD PERSONS OR FOR ANY DAMAGE TO ANY PROPERTY AS A RESULT OF USE OR MISUSE OF THE CONTROLLED PRODUCT.

MATERIAL SAFETY DATA SHEET

COATINGS AND RESINS GROUP

PPG Industries, Inc.

SECTION 1 - CHEMICAL, PRODUCT, AND COMPANY INFORMATION

PRODUCT CODE/IDENTITY: 55-9

REVISION DATE: 02/04/98 (T) 0809

CUSTOMER PART #/NAME: Not applicable

PRODUCT TRADE NAME: CLEAR SATIN POLYURETHANE

CHEMICAL FAMILY: URETHANE

EMERGENCY MEDICAL/SPILL INFO: (304) 843-1300 (U.S.) 91-800-00-214 (MEXICO)

TECHNICAL INFORMATION: (412) 492-5200

PRODUCT SAFETY/MSDS INFORMATION: 4325 ROSANNA DRIVE, P.O. BOX 9 ALLISON PARK, PA 15101 (412) 492-5555

DATE OF MSDS PREPARATION: 07/31/00

PRIMARY HAZARD WARNING

Extremely flammable. Vapors may cause flash fires. Keep away from heat, sparks, flames, and other sources of ignition. Do not smoke. Extinguish all flames and pilot lights. Turn off stoves, heaters, electrical motors, and other sources of ignition during use and until all vapors/odors are gone. Harmful if swallowed. May cause moderate skin irritation. Causes severe eye irritation. May be absorbed through the skin. Vapor and/or spray mist may be harmful if inhaled. Vapor irritates eyes, nose, and throat.

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS.

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

REF	HAZARDOUS INGREDIENTS	PERCENT	CAS NUMBER	CARCINOGEN*
01	ETHYL BENZENE	1 - <5	100-41-4	
02	BUTANE	10- <20	106-97-8	
03	XYLENES	10- <20	1330-20-7	
04	NAPHTHA	5 - <10	64742-88-7	
05	ACETONE	30- <40	67-64-1	
06	PROPANE	10- <20	74-98-6	
07	METHYL ETHYL KETONE	10- <20	78-93-3	

* Carcinogens: O=OSHA; A=ACGIH; N=NTP; I=IARC

SARA TITLE III & CERCLA CLASSIFICATIONS

REF	SARA 102 RQ (LBS)	SARA 302 TPQ (LBS)	SARA 313	SARA 311/312 AC	CH	FL	PR	RE
01	1000	NOT ESTAB	Y	Y	Y	Y	N	N
02	NOT ESTAB	NOT ESTAB	N	N	N	Y	N	N
03	100	NOT ESTAB	Y	Y	N	Y	N	N
04	NOT ESTAB	NOT ESTAB	N	Y	N	Y	N	N
05	5000	NOT ESTAB	N	Y	N	Y	N	N
06	NOT ESTAB	NOT ESTAB	N	N	N	Y	N	N
07	5000	NOT ESTAB	Y	Y	N	Y	N	N

SARA 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE= Y, CHRONIC= Y, FLAMMABILITY= Y, PRESSURE= Y, REACTIVITY= N

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS:

REF	ACGIH TLV-TWA	ACGIH TLV-STEL	U.S. OSHA PEL-TWA	U.S. OSHA PEL-STEL
01	100 ppm	125 ppm	100 ppm	125 ppm
02	800 ppm	NOT ESTAB.	800 ppm	NOT ESTAB.
03	100 ppm	150 ppm	100 ppm	150 ppm
04	NOT ESTAB.	NOT ESTAB.	NOT ESTAB.	NOT ESTAB.
05	500 ppm	750 ppm	750 ppm	1000 ppm
06	2500 PPM	NOT ESTAB.	1000 ppm	NOT ESTAB.
06	IPEL-TWA: 2500 ppm		IPEL-STEL: NOT ESTAB.	
07	200 ppm	300 ppm	200 ppm	300 ppm
07	IPEL-TWA: NOT ESTAB.		IPEL-STEL: 250 PPM	

[C- Ceiling Limit; S- Potential Skin Absorption; R- Respirable Dust] [NOT ESTAB. = NOT ESTABLISHED = NOT APPLICABLE]

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES CONTROL ACT

All chemical substances in this product are listed on the U.S. TSCA Inventory or are otherwise exempt from TSCA Inventory reporting requirements.

SECTION 3 - HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE FROM:

INGESTION: Harmful if swallowed.

EYE CONTACT: Causes severe eye irritation.

SKIN CONTACT: May cause moderate skin irritation. May be absorbed through the skin.

INHALATION: Vapor and/or spray mist may be harmful if inhaled. Vapor irritates eyes, nose, and throat. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.

CHRONIC OVEREXPOSURE: Avoid long-term and repeated contact. This product contains methyl ethyl ketone (MEK). MEK has been shown to cause minor embryotoxic/fetotoxic effects in laboratory animals exposed for prolonged periods at high concentrations via inhalation. The potential for human exposure to high concentrations is expected to be low due to the irritating effects of

MEK at low concentrations. Ethylbenzene has been reported by NTP to cause cancer in laboratory animals following a chronic (2 year) inhalation exposure. Dose levels of 75, 250 and 750 ppm were used, with evidence of carcinogenicity found in the kidneys of rats and the lung and liver of mice at 750 ppm. The No Observed Effect Level (NOEL) was 75 ppm. The relevance of these findings to humans is uncertain, but appropriate safeguards should be employed to reduce or eliminate inhalation exposure to ethylbenzene. High exposures to xylenes in some animal studies have been reported to cause health effects on the developing embryo and fetus. These effects were often at levels toxic to the mother. The significance of these findings to humans has not been determined.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Eye watering, headaches, nausea, dizziness, and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Redness, itching, burning sensation and visual disturbances may indicate excessive eye contact. Dryness, itching, cracking, burning, redness, and swelling are conditions associated with excessive skin contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not applicable.

SECTION 4 - FIRST AID MEASURES

INGESTION: If swallowed, do not induce vomiting. Gently wipe out inside mouth to remove any residual material.

EYE CONTACT: In case of eye contact, remove contact lenses and flush eyes immediately with a gentle stream of luke warm water for at least 15 minutes.

SKIN CONTACT: In case of skin contact, flush immediately with plenty of water for at least 15 minutes followed by washing with soap and water.

INHALATION: If affected by inhalation of vapor or spray mist, remove to fresh air. Apply artificial respiration and other support measures as required.

OTHER: If ingestion, any type of overexposure or symptoms of overexposure occur during or following the use of this product, contact a poison control center, emergency room or physician immediately; have Material Safety Data Sheet information available.

SECTION 5 - FIRE FIGHTING MEASURES

FLASHPOINT: 1 Degrees F (-17 Degrees C) (PENSKY-MARTENS CLOSED CUP)

FLAMMABLE LIMITS: Lower explosion limit (LEL): 2.4

Upper explosion limit (UEL): Not available

EXTINGUISHING MEDIA: Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical, or universal aqueous film forming foam) designed to extinguish NFPA Class IA flammable liquid fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep this product away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, static electricity). Invisible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact

with extreme heat. Aerosol-containers hold extremely flammable gas and flammable liquid under pressure.

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable. Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Provide maximum ventilation. Only personnel equipped with proper respiratory, skin, and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sand, vermiculite, or other noncombustible absorbent material and place in clean, empty containers for disposal. Only the spilled material and the absorbant should be placed in this container.

WASTE DISPOSAL METHOD: Waste material must be disposed of in accordance with federal, state, provincial, and local environmental control regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION 7 - HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Contents under pressure. Do not puncture, incinerate, put into trash compactor or store above 120 degrees F. (48 degrees C.) . Store out of direct sunlight. Use only as directed. Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

OTHER PRECAUTIONS: Store in cool dry place.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT FOR:

EYE PROTECTION: Wear chemical-type splash goggles when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapors.

SKIN PROTECTION: Wear protective clothing to prevent skin contact. Apron and gloves should be constructed of: nitrile rubber. No specific permeation/degradation testing have been done on protective clothing for this product. Recommendations for skin protection are based on infrequent contact with this product. For frequent contact or total immersion, contact a manufacturer of protective clothing for appropriate chemical impervious equipment.

RESPIRATORY PROTECTION: Overexposure to vapors may be prevented by ensuring proper ventilation controls, vapor exhaust or fresh air entry. A NIOSH- approved air purifying respirator with the appropriate chemical cartridges or a positive-pressure, air-supplied respirator may also reduce exposure. Read the respirator manufacturer's instructions and literature carefully to determine the type of airborne contaminants against which the respirator is effective, its limitations, and how it is to be properly fitted and used.

OTHER EQUIPMENT: Clean contaminated clothing and shoes.

VENTILATION REQUIREMENTS: Provide general dilution or local exhaust ventilation in volume and pattern to keep the concentration of ingredients listed in Section 2 below the lowest suggested exposure limits, the LEL below the stated limit, and to remove decomposition products during welding or flame cutting.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

[FORMULA VALUES, NOT SALES SPECIFICATIONS]

BOILING RANGE: -20- 381Degrees F

SOLUBILITY IN WATER: 32.9 %

VAPOR PRESSURE: 83.5 mmHg

WEIGHT/GALLON (LBS): .00 (U.S.)

VAPOR DENSITY: Heavier than air

pH: Not applicable

% VOLATILE/VOLUME: 93.450

% SOLIDS BY WEIGHT: 9.05

SPECIFIC GRAVITY: .000

EVAPORATION RATE(BuOAc=100): 678

ODOR/APPEARANCE: Pressurized can containing paint and propellants with odor characteristics of solvents listed in Section 2.

SECTION 10 - STABILITY AND REACTIVITY

This product is normally stable and will not undergo hazardous reactions.

INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID): Avoid contact with strong alkalies, strong mineral acids, or strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May produce the following hazardous decomposition products when exposed to extreme heat: carbon monoxide ; carbon dioxide ; hydrogen cyanide ; lower molecular weight polymer fractions; traces of isocyanate ; oxides of nitrogen ; Extreme heat includes, but is not limited to, flame cutting, brazing, and welding.

Hazardous Materials Identification System (HMIS) and National Fire Protection Association (NFPA) Ratings:

HMIS Rating		NFPA Rating	
HEALTH	2*	HEALTH	2
FLAMMABILITY	3	FLAMMABILITY	3
REACTIVITY	0	INSTABILITY	0

Rating System:0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe, *=Chronic Effects.

Safe handling of this product requires that all of the information on the MSDS

be evaluated for specific work environments and conditions of use.

THIS IS THE END OF THE MSDS FOR: 55-9 (00102789.002B55009)

Manufactured and Supplied by:

PPG INDUSTRIES, ALLISON PARK

4325 ROSANNA DRIVE

ALLISON PARK, PA 15101

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— Section 1 —
Product Identification

Material Safety Data Sheet

The Sherwin-Williams Co.
101 Prospect Ave. N.W.
Cleveland, OH 44115

Emergency telephone number (216) 566-2917
Information telephone number (216) 566-2902
Date of preparation March 10, 1998

©1998, The Sherwin-Williams Co.

PrepRite™ Latex Interior /Exterior Finishes

PR

— Section 2 — CAS No.	Hazardous Ingredients (percent by weight)	ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	Int./Ext. Block Filler	Classic Interior Latex Primer	200 Interior Latex Primer	Interior Acrylic Masonry Primer	400 Interior Latex Wall Primer	High Build Interior Latex Primer/ Surfacer	ProBlock™ Int./Ext. Primer/Sealer	Anchor-Bond™ Adhesion Promoting Primer
						B25 W 25	B28 W 101 White	B28 W 200 White	B28 W 300 White	B28 W 400 White	B28 W 601 White	B51 W 20 White	B51 W 50
107-21-1 §	Ethylene Glycol.	C 50	50	PPM	0.1						1		
14808-60-7	Quartz	0.1	0.1	Mg/M3	as Resp. Dust		3	2	12	0.8	7		9
14464-46-1	Cristobalite	0.05	0.05	Mg/M3	as Resp. Dust		0.9		1			0.6	
1332-58-7	Kaolin	2	5	Mg/M3	as Resp. Dust	7				9			
14807-96-6	Talc	2	2	Mg/M3	as Resp. Dust		4	5		5		3	
12001-26-2	Mica	3	3	Mg/M3	as Resp. Dust		3						4
471-34-1	Calcium Carbonate.	10	15[5]	Mg/M3 [Resp.	as Dust Fraction]	51					7		11
13463-67-7	Titanium Dioxide.	10	10[5]	Mg/M3 [Resp.	as Dust Fraction]	2	16	12	13	5	4	16	9
1314-13-2	Zinc Oxide	10	10[5]	Mg/M3 [Resp.	as Dust Fraction]								1
	[% Barium]											[0.3]	
§	Zinc Compound. [% Zinc]												2 [1.4]
	Weight per Gallon (lbs.)					13.62	11.55	10.59	10.53	10.34	10.61	11.17	11.07
	Percent Water					28.5	40.8	54.5	43.5	55.1	59.0	44.4	41.7
	VOC (Volatile Organic Compounds) Total - lbs./gal.					0.24	0.33	0.22	0.49	0.15	0.14	0.34	0.15
	VOC Less Water & Federally Exempt Solvents - lbs./gal.					0.45	0.77	0.72	1.10	0.50	0.60	0.84	0.34
	Photochemically Reactive					No	No	No	No	No	No	No	No
	Flash Point (°F)					None	None	None	None	None	None	None	None
	HMIS (NFPA) Rating (health - flammability - reactivity)					1 - 0 - 0	1* - 0 - 0	1* - 0 - 0	1* - 0 - 0	1* - 0 - 0	2* - 0 - 0	1* - 0 - 0	1* - 0 - 0

Numbers In Boxes Are Percent By Weight

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

→→→ MSDS Text Page Follows →→→

Section 3 — Physical Data

PRODUCT WEIGHT	See TABLE	*EVAPORATION RATE*	Slower than Ether
SPECIFIC GRAVITY	1.24-1.64	*VAPOR DENSITY*	Heavier than Air
BOILING RANGE	212-477 °F	*MELTING POINT*	N.A.
VOLATILE VOLUME	49-76 %	*SOLUBILITY IN WATER*	N.A.
pH	9.0-10.0		

Section 4 — Fire And Explosion Hazard Data

FLAMMABILITY CLASSIFICATION *FLASH POINT* See TABLE *LEL* N.Ap. *UEL* N.Ap.
Not Applicable
EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Alcohol Foam
UNUSUAL FIRE AND EXPLOSION HAZARDS
Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.
SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 5 — Health Hazard Data

ROUTES OF EXPOSURE
Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.
ACUTE Health Hazards
EFFECTS OF OVEREXPOSURE
Irritation of eyes, skin and upper respiratory system. In a confined area vapors in high concentration may cause headache, nausea or dizziness.
SIGNS AND SYMPTOMS OF OVEREXPOSURE
Redness and itching or burning sensation may indicate eye or excessive skin exposure.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.
EMERGENCY AND FIRST AID PROCEDURES
If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
If on SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
If SWALLOWED: Get medical attention.
CHRONIC Health Hazards
Crystalline Silica (Quartz, Cristobalite) is listed by IARC and NTP. Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer.
Ethylene Glycol is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gavage. There is no evidence to indicate it causes birth defects in humans.
Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems.
Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace.

Section 6 — Reactivity Data

STABILITY - Stable
CONDITIONS TO AVOID
None known.
INCOMPATIBILITY
None known.
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Metals in Section 2
HAZARDOUS POLYMERIZATION - Will Not Occur

Section 7 — Spill Or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.
WASTE DISPOSAL METHOD
Waste from *B51W20* may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for extractability to determine the applicable EPA hazardous waste numbers.
Waste from other products is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.
Incinerate all products in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 8 — Protection Information

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.
These coatings may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m3 (total dust), 3 mg./m3 (respirable fraction), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).
VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.
RESPIRATORY PROTECTION
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.
When sanding, wirebrushing, abrading, burning or welding the dried film, wear a particulate respirator approved by NIOSH/MSHA for protection against non-volatile materials in Section 2.
PROTECTIVE GLOVES
Wear gloves which are recommended by glove supplier for protection against materials in Section 2.
EYE PROTECTION
Wear safety spectacles with unperforated sideshields.

Section 9 — Precautions

DOL STORAGE CATEGORY - Not Applicable
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

Section 10 — Other Regulatory Information

CALIFORNIA PROPOSITION 65
WARNING: B28W300 contains a chemical known to the State of California to cause cancer. B25W25, B28W101, B28W200, B28W400, B28W601, B51W20 and B51W50 contain chemicals known to the State of California to cause cancer.

TSCA CERTIFICATION
All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures.
The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

— Section 1 —
Product Identification

Material Safety Data Sheet

The Sherwin-Williams Co.
101 Prospect Ave. N.W.
Cleveland, OH 44115

Emergency telephone number (216) 566-2917
Information telephone number (216) 566-2902
Date of preparation March 10, 1998

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PrepRite™ Latex Interior /Exterior Finishes

PR

— Section 2 — CAS No.	Hazardous Ingredients (percent by weight)	ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	Int./Ext. Block Filler B25 W 25	Classic Interior Latex Primer B28 W 101 White	200 Interior Latex Primer B28 W 200 White	Interior Acrylic Masonry Primer B28 W 300 White	400 Interior Latex Wall Primer B28 W 400 White	High Build Interior Latex Primer/ Surfacer B28 W 601 White	ProBlock™ Int./Ext. Primer/Sealer B51 W 20 White	Anchor-Bond™ Adhestion Promoting Primer B51 W 50
107-21-1 §	Ethylene Glycol.	C 50	50	PPM	0.1						1		
14808-60-7	Quartz	0.1	0.1	Mg/M3	as Resp. Dust		3	2	12	0.8	7		9
14464-46-1	Cristobalite	0.05	0.05	Mg/M3	as Resp. Dust		0.9		1			0.6	
1332-58-7	Kaolin	2	5	Mg/M3	as Resp. Dust	7				9			
14807-96-6	Talc	2	2	Mg/M3	as Resp. Dust		4	5		5		3	
12001-26-2	Mica	3	3	Mg/M3	as Resp. Dust		3						4
471-34-1	Calcium Carbonate.	10	15[5]	Mg/M3 [Resp.	as Dust Fraction]	51					7		11
13463-67-7	Titanium Dioxide.	10	10[5]	Mg/M3 [Resp.	as Dust Fraction]	2	16	12	13	5	4	16	9
1314-13-2	Zinc Oxide	10	10[5]	Mg/M3 [Resp.	as Dust Fraction]								1
	[% Barium]											[0.3]	
§	Zinc Compound. [% Zinc]												2 [1.4]
	Weight per Gallon (lbs.)					13.62	11.55	10.59	10.53	10.34	10.61	11.17	11.07
	Percent Water					28.5	40.8	54.5	43.5	55.1	59.0	44.4	41.7
	VOC (Volatile Organic Compounds) Total - lbs./gal.					0.24	0.33	0.22	0.49	0.15	0.14	0.34	0.15
	VOC Less Water & Federally Exempt Solvents - lbs./gal.					0.45	0.77	0.72	1.10	0.50	0.60	0.84	0.34
	Photochemically Reactive					No	No	No	No	No	No	No	No
	Flash Point (°F)					None	None	None	None	None	None	None	None
	HMIS (NFPA) Rating (health - flammability - reactivity)					1 - 0 - 0	1* - 0 - 0	1* - 0 - 0	1* - 0 - 0	1* - 0 - 0	2* - 0 - 0	1* - 0 - 0	1* - 0 - 0

Numbers In Boxes Are Percent By Weight

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

→→→ *MSDS Text Page Follows* →→→

Section 3 — Physical Data

PRODUCT WEIGHT	See TABLE	*EVAPORATION RATE*	Slower than Ether
SPECIFIC GRAVITY	1.24-1.64	*VAPOR DENSITY*	Heavier than Air
BOILING RANGE	212-477 °F	*MELTING POINT*	N.A.
VOLATILE VOLUME	49-76 %	*SOLUBILITY IN WATER*	N.A.
pH	9.0-10.0		

Section 4 — Fire And Explosion Hazard Data

FLAMMABILITY CLASSIFICATION *FLASH POINT* See TABLE *LEL* N.Ap. *UEL* N.Ap.
Not Applicable
EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Alcohol Foam
UNUSUAL FIRE AND EXPLOSION HAZARDS
Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.
SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 5 — Health Hazard Data

ROUTES OF EXPOSURE
Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.
ACUTE Health Hazards
EFFECTS OF OVEREXPOSURE
Irritation of eyes, skin and upper respiratory system. In a confined area vapors in high concentration may cause headache, nausea or dizziness.
SIGNS AND SYMPTOMS OF OVEREXPOSURE
Redness and itching or burning sensation may indicate eye or excessive skin exposure.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.
EMERGENCY AND FIRST AID PROCEDURES
If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
If on SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
If SWALLOWED: Get medical attention.
CHRONIC Health Hazards
Crystalline Silica (Quartz, Cristobalite) is listed by IARC and NTP. Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer.
Ethylene Glycol is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gavage. There is no evidence to indicate it causes birth defects in humans.
Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems.
Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace.

Section 6 — Reactivity Data

STABILITY – Stable
CONDITIONS TO AVOID
None known.
INCOMPATIBILITY
None known.
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Metals in Section 2
HAZARDOUS POLYMERIZATION – Will Not Occur

Section 7 — Spill Or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.
WASTE DISPOSAL METHOD
Waste from *B51W20* may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for extractability to determine the applicable EPA hazardous waste numbers.
Waste from other products is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.
Incinerate all products in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 8 — Protection Information

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.
These coatings may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m3 (total dust), 3 mg./m3 (respirable fraction), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).
VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.
RESPIRATORY PROTECTION
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.
When sanding, wirebrushing, abrading, burning or welding the dried film, wear a particulate respirator approved by NIOSH/MSHA for protection against non-volatile materials in Section 2.
PROTECTIVE GLOVES
Wear gloves which are recommended by glove supplier for protection against materials in Section 2.
EYE PROTECTION
Wear safety spectacles with unperforated sideshields.

Section 9 — Precautions

DOL STORAGE CATEGORY – Not Applicable
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

Section 10 — Other Regulatory Information

CALIFORNIA PROPOSITION 65
WARNING: B28W300 contains a chemical known to the State of California to cause cancer. B25W25, B28W101, B28W200, B28W400, B28W601, B51W20 and B51W50 contain chemicals known to the State of California to cause cancer.

TSCA CERTIFICATION
All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures.
The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

— Section 1 —
Product Identification

Material Safety Data Sheet

The Sherwin-Williams Co.
101 Prospect Ave. N.W.
Cleveland, OH 44115

Emergency telephone number (216) 566-2917
Information telephone number (216) 566-2902
Date of preparation March 20, 1998

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Latex Interior Finishes - PROMAR® 200 / 400 Latex Interior Finishes

— Section 2 — CAS No.	Hazardous Ingredients (percent by weight)	ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	PROMAR® 200 Flat	PROMAR® 200 Eg-Shel	PROMAR® 200 Semi-Gloss	PROMAR® 200 Gloss	PROMAR® 400 Flat	PROMAR® 400 Eg-Shel	PROMAR® 400 Semi-Gloss
						Base X ⇒						
						Base Y ⇒						
						Base Z ⇒						
						Antique White ⇒						
						Navajo White ⇒						
						Dover White ⇒						
						B30 W 207 Luminous B30 W 208 White	B20 W 207 Luminous	B31 W 207 Luminous	B21 W 207 Luminous	B30 B 400 Black		
112-34-5 §	2-(2-Butoxyethoxy)-ethanol	Not Established			0.1		1 - 2	0 - 2	2 - 3		1	0 - 2
107-21-1 §	Ethylene Glycol.	C 50	50	PPM	0.1	<3% due to tinting	2 - 6	1 - 6	3 - 8	<3% due to tinting	2 - 5	1 - 4
64742-54-7	Heavy Paraffinic Oil.	5	5	Mg/M3	as Mist	1 in Base Z only				1 in Base Z only		
14808-60-7	Quartz	0.1	0.1	Mg/M3	as Resp. Dust	0.1 - 17 except White				5 - 13		
14464-46-1	Cristobalite	0.05	0.05	Mg/M3	as Resp. Dust	1 Luminous only	0 - 0.1	0 - 0.1	0.1 except Base X	0 - 3		
1332-58-7	Kaolin	2	5	Mg/M3	as Resp. Dust		0 - 6			0 - 4		
12001-26-2	Mica	3	3	Mg/M3	as Resp. Dust	3 Luminous only						
471-34-1	Calcium Carbonate.	10	15[5]	Mg/M3 [Resp.	as Dust Fraction]	0 - 17	2 - 19	3 - 6 except Luminous		13 in Black only	9	0 - 6
13463-67-7	Titanium Dioxide.	10	10[5]	Mg/M3 [Resp.	as Dust Fraction]	9 - 15	7 - 23	9 - 27	10 - 28	7 - 12 except Black	15	9 - 17
1333-86-4	Carbon Black.	3.5	3.5	Mg/M3		0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
	Weight per Gallon (lbs.)					10.1 - 12.2	10.3 - 11.5	9.6 - 10.9	9.4 - 11.1	9.6 - 11.3	10.3 - 10.3	9.6 - 9.8
	Percent Water					40.2 - 52.8	38.0 - 51.9	40.3 - 55.8	36.5 - 50.1	49.3 - 69.2	53.9 - 54.0	55.4 - 55.8
	VOC (Volatile Organic Compounds) Total - lbs./gal.					0.2	0.4 - 0.6	0.3 - 0.6	0.6 - 0.8	0.1 - 0.2	0.3	0.3
	VOC Less Water & Federally Exempt Solvents - lbs./gal.					0.4 - 0.7	1.1 - 1.2	0.7 - 1.2	1.3 - 1.6	0.4 - 0.7	1.0	0.7 - 0.8
	Flash Point (°F) / Photochemically Reactive					None / No	None / No	None / No	None / No	None / No	None / No	None
	HMIS (NFPA) Rating (health - flammability - reactivity)					1* - 0 - 0	2* - 0 - 0	2* - 0 - 0	2* - 0 - 0	2* - 0 - 0	2 - 0 - 0	2 - 0 - 0

PERCENT BY WEIGHT

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

→→→ *MSDS Text Page Follows* →→→

Section 3 — Physical Data

PRODUCT WEIGHT	See TABLE	*EVAPORATION RATE*	Slower than Ether
SPECIFIC GRAVITY	1.13-1.50	*VAPOR DENSITY*	Heavier than Air
BOILING RANGE	212-477 °F	*MELTING POINT*	N.A.
VOLATILE VOLUME	56-80 %	*SOLUBILITY IN WATER*	N.A.
pH	9.0-9.5		

Section 4 — Fire And Explosion Hazard Data

FLAMMABILITY CLASSIFICATION *FLASH POINT* See TABLE *LEL* N.Ap. *UEL* N.Ap.
Not Applicable
EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Alcohol Foam
UNUSUAL FIRE AND EXPLOSION HAZARDS
Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.
SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 5 — Health Hazard Data

ROUTES OF EXPOSURE
Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.
ACUTE Health Hazards
EFFECTS OF OVEREXPOSURE
Irritation of eyes, skin and upper respiratory system. In a confined area vapors in high concentration may cause headache, nausea or dizziness.
SIGNS AND SYMPTOMS OF OVEREXPOSURE
Redness and itching or burning sensation may indicate eye or excessive skin exposure.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.
EMERGENCY AND FIRST AID PROCEDURES
If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
If on SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
If SWALLOWED: Get medical attention.
CHRONIC Health Hazards
Crystalline Silica (Quartz, Cristobalite) is listed by IARC and NTP. Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer.
Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.
Ethylene Glycol is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gavage. There is no evidence to indicate it causes birth defects in humans.
Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems.
Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace.

Section 6 — Reactivity Data

STABILITY – Stable
CONDITIONS TO AVOID
None known.
INCOMPATIBILITY
None known.
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide
HAZARDOUS POLYMERIZATION – Will Not Occur

Section 7 — Spill Or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.
WASTE DISPOSAL METHOD
Waste from these products is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.
Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 8 — Protection Information

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.
These coatings may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m3 (total dust), 3 mg./m3 (respirable fraction), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).
VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.
RESPIRATORY PROTECTION
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.
When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.
PROTECTIVE GLOVES
Wear gloves which are recommended by glove supplier for protection against materials in Section 2.
EYE PROTECTION
Wear safety spectacles with unperforated sideshields.

Section 9 — Precautions

DOL STORAGE CATEGORY – Not Applicable
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

Section 10 — Other Regulatory Information

CALIFORNIA PROPOSITION 65
WARNING: A20W81, A96W20, A96W22, A96W24, A97W40, A97W41, A97W42, A98W40, A98W41, A98W42, B21W201, B31W21, B31W22, B31W23, B31W27, B31W401, B31W404, B31W405 and B31W406 contain a chemical known to the State of California to cause cancer.

A21W71, A21W89, A22W41, (A21W40), A26W11, A26W12, A26W13, A26W14, A26W15, A26W17, A27W10, A27W11, A27W12, A27W13, A27W14, A27W15, A27W17, A29W40, A29W41, A29W42, A29W43, A86W14, A86W15, A86W16, A86W17, A87W40, A87W41, A87W42, A87W43, A88W14, A88W15, A88W16, A88W17, B20W201, B20W202, B20W203, B20W204, B20W205, B20W206, B20W207, B20W401, B20W404, B20W406, B21W202, B21W203, B21W207, (B28W700), B30B400, B30W201, B30W202, B30W203, B30W204, B30W205, B30W206, B30W207, B30W208, B30W401, B30W402, B30W403, B30W404, B30W405, B30W406, B30W700, B30W701, B30W702, B30W703, B31W201, B31W202, B31W203, B31W204, B31W205, B31W206, B31W207, B31W402, B31W403, B31WC700, B31WC701, B31WC702, B31WC703, Y38A102, Y38E105, Y38R104, Y38R106, Y38Y107 and Y38Y108 contain chemicals known to the State of California to cause cancer.

TSCA CERTIFICATION
All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures.
The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

— Section 1 —
Product Identification

Material Safety Data Sheet

The Sherwin-Williams Co.
101 Prospect Ave. N.W.
Cleveland, OH 44115

Emergency telephone number (216) 566-2917
Information telephone number (216) 566-2902
Date of preparation March 20, 1998

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Latex Interior Finishes - PROMAR® 200 / 400 Latex Interior Finishes

LI/4

		PROMAR® 200				PROMAR® 400		
		FLAT	EG-SHEL	SEMI-GLOSS	GLOSS	FLAT	EG-SHEL	SEMI-GLOSS
	Base X ⇒	B30 W 201	B20 W 201	B31 W 201	B21 W 201	B30 W 401	B20 W 401	B31 W 401
	Base Y ⇒	B30 W 202	B20 W 202	B31 W 202	B21 W 202	B30 W 402		B31 W 402
	Base Z ⇒	B30 W 203	B20 W 203	B31 W 203	B21 W 203	B30 W 403		B31 W 403
	Antique White ⇒	B30 W 204	B20 W 204	B31 W 204		B30 W 404	B20 W 404	B31 W 404
	Navajo White ⇒	B30 W 205	B20 W 205	B31 W 205		B30 W 405		B31 W 405
	Dover White ⇒	B30 W 206	B20 W 206	B31 W 206		B30 W 406	B20 W 406	B31 W 406
		B30 W 207 Luminous	B20 W 207 Luminous	B31 W 207 Luminous	B21 W 207 Luminous	B30 B 400 Black		
— Section 2 — CAS No. Hazardous Ingredients (percent by weight)	ACGIH TLV <STEL> / OSHA PEL <STEL> / Units / Vapor Pressure (mm Hg)	B30 W 208 White						
112-34-5 § 2-(2-Butoxyethoxy)-ethanol	Not Established / 0.1		1 - 2	0 - 2	2 - 3		1	0 - 2
107-21-1 § Ethylene Glycol.	C 50 / 50 / PPM / 0.1	<3% due to tinting	2 - 6	1 - 6	3 - 8	<3% due to tinting	2 - 5	1 - 4
64742-54-7 Heavy Paraffinic Oil.	5 / 5 / Mg/M3 / as Mist	1 in Base Z only				1 in Base Z only		
14808-60-7 Quartz	0.1 / 0.1 / Mg/M3 / as Resp. Dust	0.1 - 17 except White				5 - 13		
14464-46-1 Cristobalite	0.05 / 0.05 / Mg/M3 / as Resp. Dust	1 Luminous only	0 - 0.1	0 - 0.1	0.1 except Base X	0 - 3		
1332-58-7 Kaolin	2 / 5 / Mg/M3 / as Resp. Dust		0 - 6			0 - 4		
12001-26-2 Mica	3 / 3 / Mg/M3 / as Resp. Dust	3 Luminous only						
471-34-1 Calcium Carbonate.	10 / 15[5] / Mg/M3 [Resp. as Dust Fraction]	0 - 17	2 - 19	3 - 6 except Luminous		13 in Black only	9	0 - 6
13463-67-7 Titanium Dioxide.	10 / 10[5] / Mg/M3 [Resp. as Dust Fraction]	9 - 15	7 - 23	9 - 27	10 - 28	7 - 12 except Black	15	9 - 17
1333-86-4 Carbon Black.	3.5 / 3.5 / Mg/M3	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Weight per Gallon (lbs.)		10.1 - 12.2	10.3 - 11.5	9.6 - 10.9	9.4 - 11.1	9.6 - 11.3	10.3 - 10.3	9.6 - 9.8
Percent Water		40.2 - 52.8	38.0 - 51.9	40.3 - 55.8	36.5 - 50.1	49.3 - 69.2	53.9 - 54.0	55.4 - 55.8
VOC (Volatile Organic Compounds) Total - lbs./gal.		0.2	0.4 - 0.6	0.3 - 0.6	0.6 - 0.8	0.1 - 0.2	0.3	0.3
VOC Less Water & Federally Exempt Solvents - lbs./gal.		0.4 - 0.7	1.1 - 1.2	0.7 - 1.2	1.3 - 1.6	0.4 - 0.7	1.0	0.7 - 0.8
Flash Point (°F) / Photochemically Reactive		None / No	None / No	None / No	None / No	None / No	None / No	None
HMIS (NFPA) Rating (health - flammability - reactivity)		1* - 0 - 0	2* - 0 - 0	2* - 0 - 0	2* - 0 - 0	2* - 0 - 0	2 - 0 - 0	2 - 0 - 0

PERCENT BY WEIGHT

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

→→→ *MSDS Text Page Follows* →→→

Section 3 — Physical Data

PRODUCT WEIGHT	See TABLE	*EVAPORATION RATE*	Slower than Ether
SPECIFIC GRAVITY	1.13-1.50	*VAPOR DENSITY*	Heavier than Air
BOILING RANGE	212-477 °F	*MELTING POINT*	N.A.
VOLATILE VOLUME	56-80 %	*SOLUBILITY IN WATER*	N.A.
pH	9.0-9.5		

Section 4 — Fire And Explosion Hazard Data

FLAMMABILITY CLASSIFICATION *FLASH POINT* See TABLE *LEL* N.Ap. *UEL* N.Ap.
Not Applicable
EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Alcohol Foam
UNUSUAL FIRE AND EXPLOSION HAZARDS
Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.
SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 5 — Health Hazard Data

ROUTES OF EXPOSURE
Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.
ACUTE Health Hazards
EFFECTS OF OVEREXPOSURE
Irritation of eyes, skin and upper respiratory system. In a confined area vapors in high concentration may cause headache, nausea or dizziness.
SIGNS AND SYMPTOMS OF OVEREXPOSURE
Redness and itching or burning sensation may indicate eye or excessive skin exposure.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.
EMERGENCY AND FIRST AID PROCEDURES
If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
If on SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
If SWALLOWED: Get medical attention.
CHRONIC Health Hazards
Crystalline Silica (Quartz, Cristobalite) is listed by IARC and NTP. Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer.
Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.
Ethylene Glycol is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gavage. There is no evidence to indicate it causes birth defects in humans.
Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems.
Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace.

Section 6 — Reactivity Data

STABILITY – Stable
CONDITIONS TO AVOID
None known.
INCOMPATIBILITY
None known.
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide
HAZARDOUS POLYMERIZATION – Will Not Occur

Section 7 — Spill Or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.
WASTE DISPOSAL METHOD
Waste from these products is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.
Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 8 — Protection Information

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.
These coatings may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m3 (total dust), 3 mg./m3 (respirable fraction), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).
VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.
RESPIRATORY PROTECTION
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.
When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.
PROTECTIVE GLOVES
Wear gloves which are recommended by glove supplier for protection against materials in Section 2.
EYE PROTECTION
Wear safety spectacles with unperforated sideshields.

Section 9 — Precautions

DOL STORAGE CATEGORY – Not Applicable
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

Section 10 — Other Regulatory Information

CALIFORNIA PROPOSITION 65
WARNING: A20W81, A96W20, A96W22, A96W24, A97W40, A97W41, A97W42, A98W40, A98W41, A98W42, B21W201, B31W21, B31W22, B31W23, B31W27, B31W401, B31W404, B31W405 and B31W406 contain a chemical known to the State of California to cause cancer.

A21W71, A21W89, A22W41, (A21W40), A26W11, A26W12, A26W13, A26W14, A26W15, A26W17, A27W10, A27W11, A27W12, A27W13, A27W14, A27W15, A27W17, A29W40, A29W41, A29W42, A29W43, A86W14, A86W15, A86W16, A86W17, A87W40, A87W41, A87W42, A87W43, A88W14, A88W15, A88W16, A88W17, B20W201, B20W202, B20W203, B20W204, B20W205, B20W206, B20W207, B20W401, B20W404, B20W406, B21W202, B21W203, B21W207, (B28W700), B30B400, B30W201, B30W202, B30W203, B30W204, B30W205, B30W206, B30W207, B30W208, B30W401, B30W402, B30W403, B30W404, B30W405, B30W406, B30W700, B30W701, B30W702, B30W703, B31W201, B31W202, B31W203, B31W204, B31W205, B31W206, B31W207, B31W402, B31W403, B31WC700, B31WC701, B31WC702, B31WC703, Y38A102, Y38E105, Y38R104, Y38R106, Y38Y107 and Y38Y108 contain chemicals known to the State of California to cause cancer.

TSCA CERTIFICATION
All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures.
The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

ISO 9002 CERTIFIED
GARDENA, CA
NEW BRUNSWICK, NJ

SPECTRUM®

Material Safety Data Sheet

NFPA	HMIS	Personal Protective Equipment
	Health Hazard 2 Fire Hazard 1 Reactivity 0	 See Section 15.

Section 1. Chemical Product and Company Identification

Common Name/ Trade Name	**Shellac gum**
Manufacturer	SPECTRUM CHEMICAL MFG. CORP. 14422 S. SAN PEDRO STREET GARDENA, CA 90248
Commercial Name(s)	Not available.
Synonym	Not available.
Chemical Name	Not available.
Chemical Family	Not available.
Chemical Formula	Not available.
Supplier	SPECTRUM CHEMICAL MFG. CORP. 14422 S. SAN PEDRO STREET GARDENA, CA 90248

Code	S3253
CAS#	Not available.
RTECS	Not available.
TSCA	TSCA 8(b) inventory: No products were found.
CI#	Not available.

IN CASE OF EMERGENCY
CHEMTREC (24hr) 800-424-9300

CALL (310) 516-8000

Section 2.Composition and Information on Ingredients

		Exposure Limits			
Name	CAS #	TWA (mg/m^3)	STEL (mg/m^3)	CEIL (mg/m^3)	% by Weight
1) Shellac gum					100

Toxicological Data on Ingredients

Shellac gum
LD50: Not available.
LC50: Not available.

Section 3. Hazards Identification

Potential Acute Health Effects Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects

CARCINOGENIC EFFECTS Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS Not available.
DEVELOPMENTAL TOXICITY Not available.
Repeated or prolonged exposure is not known to aggravate medical condition.

Continued on Next Page

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Serious Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Serious Inhalation	Not available.
Ingestion	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Serious Ingestion	Not available.

Section 5. Fire and Explosion Data

Flammability of the Product	May be combustible at high temperature.
Auto-Ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Continued on Next Page

Section 7. Handling and Storage

Precautions	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes
Storage	Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits	Not available.

Section 9. Physical and Chemical Properties

Physical state and appearance	Solid.	**Odor**	Not available.
Molecular Weight	Not available.	**Taste**	Not available.
pH (1% soln/water)	Not available.	**Color**	Not available.
Boiling Point	Not available.		
Melting Point	Decomposes.		
Critical Temperature	Not available.		
Specific Gravity	Not available.		
Vapor Pressure	Not applicable.		
Vapor Density	Not available.		
Volatility	Not available.		
Odor Threshold	Not available.		
Water/Oil Dist. Coeff.	Not available.		
Ionicity (in Water)	Not available.		
Dispersion Properties	Not available.		
Solubility	Not available.		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Not available.

Continued on Next Page

Corrosivity	Non-corrosive in presence of glass.
Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.
Polymerization	No.

Section 11. Toxicological Information

Routes of Entry	Eye contact. Inhalation. Ingestion.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on other Toxic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Disposal	Recycle to process, if possible. Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification	Not a DOT controlled material (United States).
Identification	Not applicable.
Special Provisions for Transport	Not applicable.
DOT (Pictograms)	

Continued on Next Page

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations TSCA 8(b) inventory: No products were found.

California Proposition 65 Warnings

Other Regulations Not available..

Other Classifications

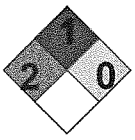
WHMIS (Canada) Not controlled under WHMIS (Canada).

DSCL (EEC) R36/38- Irritating to eyes and skin.

HMIS (U.S.A.)

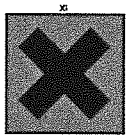
Health Hazard	2
Fire Hazard	1
Reactivity	0
Personal Protection	E

National Fire Protection Association (U.S.A.)



WHMIS (Canada) (Pictograms)

DSCL (Europe) (Pictograms)



TDG (Canada) (Pictograms)

ADR (Europe) (Pictograms)

Protective Equipment

Gloves.

Lab coat.

Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Splash goggles.

Continued on Next Page

Section 16. Other Information

Catalog Number(s)	S1024
References	Not available.
Other Special Considerations	Not available.

Validated by G. A. Binas on 2/17/2000.	Verified by G. A. Binas. Printed 2/8/2001.

CALL (310) 516-8000

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SHELLAC SOLVENT
PRODUCT CODE: 1254

HMIS CODE: H 2 F 3 R 0 P OIL

SECTION I - MANUFACTURING IDENTIFICATION

MANUFACTURING'S NAME: Miller Paint Co., Inc
ADDRESS: 12812 N.E. Whitaker Way, Portland, OR 97230
NAME OF PREPARER:: Buckinger/Serra
DATE OF PREPARATION: 8/7/1997
D.O.T. CLASSIFICATION PAINT RELATED **CLASS:** 3 **UN:** 1263 **PACKING GROUP:** II

EMERGENCY PHONE: (800) 424-9300
INFORMATION PHONE: (503) 255-0190
DATE REVISED: 8/28/1998

SECTION II - HAZARDOUS INGRDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS#	OCCUPATION EXPOSURE LIMITS OSHA TWA	ACGIH TWA	OSHA STEL	VAPOR PRESSURE mmHg @	TEMP	Weight Percent
Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm	none	44	68F	85 - 95
Isopropyl Alcohol	67-63-0	400 ppm	400 ppm	500 ppm	33	68F	<10

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present ***.

(d) Hazardous as dust when product is sanded

CARCINOGENICITY: NO **IARC MONOGRAPHS?** NO **OSHA REGULATED?** NO

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 173 to 181 Deg F **POUNDS PER GALLON** 6.80 **SPECIFIC GRAVITY (H20=1)** 0.8

VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE:** SLOWER THAN ETHER

SOLUBILITY IN WATER: N/A **APPEARANCE AND ODOR:** N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 55 Deg F **METHOD USED:** SETAFLASH

FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 2.0% **UPPER:** 19.0%

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES

Keep people away. Do not enter confined fire space without proper protective equipment including NIOSH approved self-contained breathing apparatus. Cool closed containers with water. Avoid spreading burning liquid with water.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS

"Closed containers may explode when exposed to heat. Isolate from heat, sparks and electrical equipment. Application to hot surfaces requires special precautions. Solvent vapors can travel to an ignition source and flash. Mists may be combustible at temperature below normal flash point. During emergency conditions, decomposition of products may cause a xc health hazard."

N/A = Not Applicable Date Printed Tuesday, February 13, 2001

SECTION V - REACTIVITY DATA

Stability: Stable
CONDITIONS TO AVOID: "Oxidizing materials, high temperatures or extreme heat."
INCOMPATIBILITY (MATERIAL TO AVOID): May react with oxidizing materials. Avoid hot surfaces, sparks and open
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Oxides of carbon, possible low molecular weight hydrocarbons, hydrogen cyanide, toluene diisocyanate or acrolein.
HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
Excessive inhalation of vapors or sprays can cause nasal and respiratory irritiation, dizziness, incoordination, weakness, fatigue, nausea & headache. High concentration may result in central nervous system depression.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
Skin: Prolonged or repeated exposure can cause moderate irritation, defatting and dermatitis.
Eyes: Severe irritation, redness, tearing and blurred vision.
SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
"May cause irritation, drying or defatting of the skin."
INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
"Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis
HEALTH HAZARDS (ACUTE AND CHRONIC) INCLUDING TARGET ORGANS::
"Chronic exposure to the hazardous materials contained in this product (see section II) may cause damage to the central nervous
MEDICALCONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Any respiratory or skin condition may be aggravate.
EMERGENCY AND FIRST AID PROCEDURES:
Inhalation: Remove to fresh air. Apply artificial respiration or administer oxygen if necessary. Consult physician. Splash (eyes): Flush immediately with large amounts of water for at least 15 minutes. Take to physician for treatment. Splash (eyes): Flush immediately with large amounts of water for at least 15 minutes. Take to physician for treatment. Splash (skin): Wash with soap and water. Remove contaminated clothing. Consult physician if irritiation persists. Ingestion: Keep person warm, quiet and get immediate medical attention. DO NOT induce vomiting because aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
"Keep unnecessary people away. Clean up spills as soon as possible. Eliminate all sources of ignition. Use non-sparking tools. Ventilate area and wear proper protective equipment. Dike and contain spill with inert material (clay, sand, etc.)."

WASTE DISPOSAL METHOD:
Place in non-leaking containers, seal tightly and label properly for disposal. A fire or health hazard may still exist since absorbent materials will only absorb liquid; they will not absorb vapors or spray mist. Observe all federal, state and local regulations concerning disposal of hazardous waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
Keep containers closed when not in use. Store and use only in well ventilated areas. Do not store or use near heat, spark open flame or oxidizers. Avoid breathing vapors or spray mist. Avoid eye or skin contact. Wash thoroughly after handling. Never transfer material to an unlabeled container.

OTHER PRECAUTIONS:
Read and observe precautions on product label and this sheet. Keep out of reach of children. Empty containers may be hazardous from residues of product and vapor and all caution of this sheet apply to them.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION:
Use self-contained breathing apparatus where vapor concentration may be above Threshold Limit Value (TLV) or for spray application. Below the TLV limits, use a NIOSH-approved vapor respirator or an air line respirator with escape bottle provisions. If exposure data is lacking, assume TLV is exceeded.
Ventilation:
Local exhaust must be sufficient to keep airborne vapor concentrations below TLV limit. Provide adequate ventilation (with explosion proof equipment) to maintain exposure below TLV.
PROTECTIVE GLOVES: Use solvent resistant gloves to prevent contact.
EYE PROTECTION: "Safety eyewear including splash guards, chemical goggles or face shields recommended (required for spray
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Remove contaminated clothing and allow solvent to evaporate before re-use.
WORK / HYGIENIC PRACTICES: "Wash hands after handling material and before eating, drinking, smoking or using the washroom."

SECTION IX - DISCLAIMER

The information contained in this Material Safety Data Sheet is based on the data available to us and is believed to be correct. However, we assume no responsibility for any inaccuracies that may subsequently be proven. Purchaser assumes all risk in his use of the material even when recommended saftey procedures are followed.

N/A = Not Applicable Date Printed Tuesday, February 13, 2001

MATERIAL SAFETY DATA SHEET

Sikaflex 2C, NS & SL - Part B

HMIS	
HEALTH	*2
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	C

1. Product And Company Identification

Supplier
Sika Corporation
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: EHS Department
Telephone Number: 201-933-8800
FAX Number: 201-933-9379
Web Site: www.sikausa.com

Manufacturer
Sika Corporation
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: EHS Department
Telephone Number: 201-933-8800
FAX Number: 201-933-9379
Web Site: www.sikausa.com

Supplier Emergency Contacts & Phone Number
CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Manufacturer Emergency Contacts & Phone Number
CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Issue Date: 10/02/2003

Product Name: Sikaflex 2C, NS & SL - Part B
CAS Number: Not Established
Chemical Family: Polyurethane
MSDS Number: 2873
Product Code: 0464140

Synonyms
RMF-1105

2. Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
POLYISOCYANATE PREPOLYMER	mixture		
XYLENE (MIXED ISOMERS)	1330-20-7		5 - 10

3. Hazards Identification

Eye Hazards
Causes eye irritation.

Skin Hazards
May cause skin irritation. May cause skin sensitization.

Ingestion Hazards
May be harmful if swallowed.

3. Hazards Identification - Continued

Inhalation Hazards

Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney, and Central Nervous System damage. Chronic expsoure to Xylene may damage a developing fetus, damage bone marrow causing low blood count, and damage the liver and kidneys.

4. First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin

In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

If victim is fully conscious, give one or two cups of water or milk to drink. Never give anything by mouth to an unconscious victim. Call a physician or a poison control center immediately.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration, seek medical attention.

5. Fire Fighting Measures

Flash Point: 112 °F
Autoignition Point: N/AV °F
Lower Explosive Limit: N/AV
Upper Explosive Limit: N/AV

Fire And Explosion Hazards

Combustible liquid. During a fire, irritating and/or toxic gases and aerosols from the decomposition/combustion products may be present.

Extinguishing Media

In case of fire, use water spray (fog) foam, dry chemical, or CO2.

Fire Fighting Instructions

In the event of a fire, firefighters should wear full protective clothing and NIOSH-approved self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Eliminate all ignition sources. Avoid release to the environment. Use appropriate personal protective equipment (PPE). Contain spill and collect with absorbent material and transfer into suitable containers. Ventilate enclosed area.

7. Handling And Storage

Handling Precautions

Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, and static electricity).

Storage Precautions

Store at 32F min. - 122F max. Ideal storage temperature 50-80F. If closed container is exposed to heat, pressure can build up. If moisture enters container, pressure may build up due to reaction. Store in cool, dry area in tightly closed containers, away from sparks and open flames.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

8. Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Eye/Face Protection

Faceshield over safety glasses or goggles.

Skin Protection

Chemical-resistant gloves. Lab coat or other work clothing to prevent skin exposure. Launder before reuse.

Respiratory Protection

A respirator protection program that meets 29 CFR 1910.134 requirement must be followed whenever workplace conditions warrant a respirator's use. In areas where the Permissible Expsosure Limits are exceeded, use a properly fitted NIOSH-approved respirator.

Other/General Protection

Wash thoroughly after handling.

Ingredient(s) - Exposure Limits

POLYISOCYANATE PREPOLYMER
- ACGIH TLV: NOT ESTABLISHED
- OSHA PEL: NOT ESTABLISHED
- NTP: NO
- IARC: NO

XYLENE (MIXED ISOMERS)
- ACGIH TLV-STEL 150 ppm
- ACGIH TLV-TWA 100 ppm
- OSHA PEL-TWA 100 ppm

9. Physical And Chemical Properties

Appearance

Clear liquid

Odor

Aromatic Odor

Chemical Type: Mixture
Physical State: Liquid
Specific Gravity: 1.02
Percent Volatiles: 9.0
Packing Density: 8.5 pounds/gallon
Vapor Density: > AIR
Evaporation Rate: Slower than ether
VOC content: 91.66 grams/liter

10. Stability And Reactivity

Stability: Stable
Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Open flame, heat

Incompatible Materials

Water, Alcohols and Amines

10. Stability And Reactivity - Continued

Hazardous Decomposition Products
CO, CO2, Oxides of Nitrogen

11. Toxicological Information

No Data Available...

12. Ecological Information

No Data Available...

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations. Waste generators must determine whether a discarded material is classified as a hazardous waste. USEPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. Transport Information

Proper Shipping Name
Ground Transport - Not Regulated by the USDOT
Air, Boat Transport - Flammable Liquids, N.O.S, (Xylene), 3, UN1993, PG III

15. Regulatory Information

U.S. Regulatory Information
All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes
Acute Health Hazard
Chronic Health Hazard
Fire Hazard

SARA Section 313 Notification
This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

XYLENE (MIXED ISOMERS)

Ingredient(s) - U.S. Regulatory Information
XYLENE (MIXED ISOMERS)
SARA Title III - Section 313 Form "R"/TRI Reportable Chemical
SARA - Acute Health Hazard
SARA - Chronic Health Hazard
SARA - Fire Hazard

Ingredient(s) - State Regulations
XYLENE (MIXED ISOMERS)
New Jersey - Workplace Hazard
New Jersey - Environmental Hazard
New Jersey - Special Hazard
Pennsylvania - Workplace Hazard
Pennsylvania - Environmental Hazard
Massachusetts - Hazardous Substance

15. Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

New York City - Hazardous Substance

16. Other Information

HMIS Rating

Health: *2
Fire: 2
Reactivity: 0
PPE: C

Revision/Preparer Information

MSDS Preparer: EHS Department
This MSDS Supercedes A Previous MSDS Dated: 05/21/2003

Disclaimer

The data in this Material Safety Data Sheet relates only to the specific material herein and does not relate to use in combination with any other material or in any process. The information set forth herein is based on technical data that Sika believes to be reliable as of the date hereof. Since conditions of use are outside our control, we make no warranties, express or implied and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

SIKA CORPORATION

Printed Using MSDS Generator™ 2000

MATERIAL SAFETY DATA SHEET

Sikaflex 2C, NS - Part A

HMIS

HEALTH	*1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	C

1. Product And Company Identification

Supplier
Sika Corporation
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: EHS Department
Telephone Number: 201-933-8800
FAX Number: 201-933-9379
Web Site: www.sikausa.com

Manufacturer
Sika Corporation
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: EHS Department
Telephone Number: 201-933-8800
FAX Number: 201-933-9379
Web Site: www.sikausa.com

Supplier Emergency Contacts & Phone Number
CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Manufacturer Emergency Contacts & Phone Number
CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Issue Date: 10/21/2003

Product Name: Sikaflex 2C, NS - Part A
CAS Number: Not Established
Chemical Family: Polyurethane
MSDS Number: 2872
Product Code: 0464130

Synonyms
RMF-2283

2. Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
XYLENE (MIXED ISOMERS)	1330-20-7		1 - 5

3. Hazards Identification

Eye Hazards
May cause eye irritation.

Skin Hazards
May cause skin irritation.

Ingestion Hazards
May be harmful if swallowed.

3. Hazards Identification - Continued

Inhalation Hazards

May cause respiratory tract irritation. Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney, and Central Nervous System damage. Chronic exposure to Xylene may damage a developing fetus, damage bone marrow causing low blood count, and damage the liver and kidneys.

4. First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of tepid water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

Skin

In case of contact, immediately flush skin with soap and plenty of tepid water for at least 15 minutes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

If swallowed, do not induce vomiting unless directed to do so by medical personnel. If victim is fully conscious, give one or two cups of water or milk to drink. Never give anything by mouth to an unconscious victim. Seek medical attention immediately.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration, seek medical attention.

5. Fire Fighting Measures

Flash Point: 230 °F
Autoignition Point: N/AV °F

Fire And Explosion Hazards

During a fire, irritating and/or toxic gases and aerosols from the decomposition/combustion products may be present.

Extinguishing Media

In case of fire, use water spray (fog) foam, dry chemical, or CO2.

Fire Fighting Instructions

In the event of a fire, firefighters should wear full protective clothing and NIOSH-approved self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Avoid release to the environment. Use appropriate Personal Protective Equipment (PPE). Contain spill and collect with absorbent material and transfer into suitable containers. Do not flush to sewer or allow to enter waterways. Ventilate enclosed area.

7. Handling And Storage

Handling And Storage Precautions

Keep out of reach of children. Not for internal consumption.

Storage Precautions

Store at 32F min. - 122F max. Ideal storage temperature 50 - 80F. If closed container is exposed to heat, pressure can build up. If moisture enters container, pressure may build up due to reaction. Store in cool, dry area in tightly closed containers, away from sparks and open flames.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

10. Stability And Reactivity - Continued

Incompatible Materials
Contact with water, alcohols and amines.

Hazardous Decomposition Products
CO, CO2, Oxides of Nitrogen

11. Toxicological Information

No Data Available...

12. Ecological Information

No Data Available...

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations. Waste generators must determine whether a discarded material is classified as a hazardous waste. USEPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. Transport Information

Proper Shipping Name
Not regulated by the USDOT.

15. Regulatory Information

U.S. Regulatory Information
All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes
Acute Health Hazard
Chronic Health Hazard

SARA Title III - Section 313 Supplier Notification
This product contains the following toxic chemicals that are subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

XYLENE (MIXED ISOMERS) (1330-20-7) 1 - 5 %

This information must be included on all MSDSs that are copied and distributed for this material.

Ingredient(s) - U.S. Regulatory Information
XYLENE (MIXED ISOMERS)
SARA Title III - Section 313 Form "R"/TRI Reportable Chemical
SARA - Acute Health Hazard
SARA - Chronic Health Hazard
SARA - Fire Hazard

Ingredient(s) - State Regulations
XYLENE (MIXED ISOMERS)
New Jersey - Workplace Hazard
New Jersey - Environmental Hazard
New Jersey - Special Hazard
Pennsylvania - Workplace Hazard
Pennsylvania - Environmental Hazard

15. Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

Massachusetts - Hazardous Substance
New York City - Hazardous Substance

16. Other Information

HMIS Rating
Health: *1
Fire: 1
Reactivity: 0
PPE: C

Revision/Preparer Information
MSDS Preparer: EHS Department
This MSDS Supercedes A Previous MSDS Dated: 09/19/2003

Disclaimer

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MATERIAL SAFETY DATA SHEET

SIKAFLEX 201 (ALL COLORS)

HMIS	
HEALTH	2
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	C

1. Product And Company Identification

Supplier
SIKA CORPORATION
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: Kristin Kelley
Telephone Number: (201) 933-8800
FAX Number: (201) 933-9379
Web Site: www.sikausa.com

Manufacturer
Sika Corp.
201 Polito Ave.
Lyndhurst, NJ 07071 U.S.A.

Company Contact: Kristin Kelley
Telephone Number: 201-933-8800
FAX Number: 201-933-9379
Web Site: www.sikasolutions.com

Supplier Emergency Contacts & Phone Number
CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Manufacturer Emergency Contacts & Phone Number
CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Issue Date: 10/12/2000

Product Name: SIKAFLEX 201 (ALL COLORS)
CAS Number: Not Established
Chemical Family: POLYURETHANE
MSDS Number: 375
Product Code: 0201-000

2. Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
POLYISOCYANATESPREPOLYMER	Not Establish		
XYLENE(MIXEDISOMERS)	1330-20-7		5 - 10

3. Hazards Identification

Eye Hazards
EYE IRRITANT.

Skin Hazards
MAY CAUSE SKIN IRRITATION. PROLONGED AND/OR REPEATED CONTACT WITH SKIN MAY CAUSE AN ALLERGIC REACTION/SENSITIZATION. MAY CAUSE DERMATITIS (SKIN REDNESS,DRYNESS, SCALING, ETC.) FROM REPEATED OR PROLONGED CONTACT.

Ingestion Hazards
LOW ORDER OF TOXICITY. HARMFUL IF ASPIRATED INTO LUNGS.

Inhalation Hazards
MAY CAUSE RESPIRATORY TRACT IRRITATION. MAY CAUSE RESPIRATORY SENSITIZATION. HIGH VAPOR CONCENTRATIONS OF XYLENE (GREATER THAN APPROX. 1000 PPM) MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, AND OTHER

SIKAFLEX 201 (ALL COLORS)

3. Hazards Identification - Continued

Inhalation Hazards - Continued

CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DEATH.

4. First Aid Measures

Eye

RINSE EYES THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. CONSULT PHYSICIAN.

Skin

WASH SKIN THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING.IF SYMPTOMS PERSIST CONSULT PHYSICIAN.

Ingestion

DILUTE WITH WATER. CONTACT PHYSICIAN.

Inhalation

REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, INSTITUTE ARTIFICIAL RESPIRATION. CONSULT WITH PHYSICIAN.

5. Fire Fighting Measures

Flash Point: 143 °F
Autoignition Point: N/AV °F
Lower Explosive Limit: N/AV
Upper Explosive Limit: N/AV

Fire And Explosion Hazards

DURING A FIRE, IRRITATING AND/OR TOXIC GASES AND AEROSOLS FROM THE DECOMPOSITION/COMBUSTION PRODUCTS MAY BE PRESENT.

Extinguishing Media

FOAM/DRY CHEMICAL/CO2/WATER FOG

Fire Fighting Instructions

WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

6. Accidental Release Measures

WEAR SUITABLE PROTECTIVE EQUIPMENT. CONTAIN SPILL AND COLLECT WITH ABSORBENT MATERIAL AND TRANSFER INTO SUITABLE CONTAINERS. AVOID CONTACT. VENTILATE ENCLOSED AREA.

7. Handling And Storage

Handling And Storage Precautions

STORE AT 40-95F. CONDITION MATERIAL TO 65-85F BEFORE USING. IF CLOSED CONTAINER OF MATERIAL IS EXPOSED TO HEAT, PRESSURE CAN BUILD UP. IF MOISTURE ENTERSDRUM, PRESSURE MAY BUILD UP DUE TO REACTION.
STORE IN COOL DRY AREA IN TIGHT LY CLOSED CONTAINERS.

Work/Hygienic Practices

WASH THOROUGHLY AFTER USING PRODUCT.

8. Exposure Controls/Personal Protection

Engineering Controls

LOCAL EXHAUST HIGHLY RECOMMENDED. VENTILATION SHOULD BE SUFFICIENT TO REDUCE AIR CONTAMINANTS TO BELOW PELs. MECHANICAL EXHAUST HIGHLY RECOMMENDED.

Eye/Face Protection

SAFETY GLASSES/CHEMICAL GOGGLES

8. Exposure Controls/Personal Protection - Continued

Skin Protection
AVOID SKIN CONTACT. WEAR LONG SLEEVE SHIRT AND LONG PANTS. CHEMICAL RESISTANT GLOVES.

Respiratory Protection
IF PELs ARE EXCEEDED, WEAR APPROPRIATE PROPERLY FITTED NIOSH APPROVED RESPIRATOR.

Ingredient(s) - Exposure Limits
POLYISOCYANATES PREPOLYMER
ACGIH TLV: NOT ESTABLISHED
OSHA PEL: NOT ESTABLISHED
NTP: NO
IARC: NO
XYLENE (MIXED ISOMERS)
ACGIH TLV-STEL 150 ppm
ACGIH TLV-TWA 100 ppm
OSHA PEL-TWA 100 ppm

9. Physical And Chemical Properties

Appearance
PASTE (solid) IN ALL COLORS

Odor
AROMATIC ODOR

Chemical Type: Pure
Melting Point: N/AV °F
Boiling Point: N/AV °F
Specific Gravity: 1.19
Molecular Weight: 0.00
Percent Volatiles: 7.9
Percent VOCs: 7.90
Packing Density: 10.56#/GAL
Vapor Pressure: N/AV
Vapor Density: > AIR
Solubility: N/AV
Evaporation Rate: SLOWER THAN ETHER
VOC content 94.01 g/l 0.783 lbs/gal

10. Stability And Reactivity

Stability: STABLE
Hazardous Polymerization: WILL NOT OCCUR

Conditions To Avoid (Stability)
OPEN FLAME, HEAT

Incompatible Materials
WATER, ALCOHOL, AMINES

Hazardous Decomposition Products
CO, CO2, OXIDES OF NITROGEN, SMOKE, FUMES

11. Toxicological Information

Conditions Aggravated By Exposure
EYE DISEASE, SKIN DISORDERS AND ALLERGIES, CHRONIC RESPIRATORY DISORDERS.

12. Ecological Information

No Data Available...

13. Disposal Considerations

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

14. Transport Information

Proper Shipping Name

NOT REGULATED UNDER DOT

15. Regulatory Information

U.S. Regulatory Information

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes

Acute Health Hazard
Chronic Health Hazard

SARA Section 313 Notification

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

Ingredient(s) - U.S. Regulatory Information

XYLENE (MIXED ISOMERS)
- SARA Title III - Section 313 Form "R"/TRI Reportable Chemical
- SARA - Acute Health Hazard
- SARA - Chronic Health Hazard
- SARA - Fire Hazard

Ingredient(s) - State Regulations

XYLENE (MIXED ISOMERS)
- New Jersey - Workplace Hazard
- New Jersey - Environmental Hazard
- New Jersey - Special Hazard
- Pennsylvania - Workplace Hazard
- Pennsylvania - Environmental Hazard
- Massachusetts - Hazardous Substance
- New York City - Hazardous Substance

16. Other Information

HMIS Rating

Health: 2
Fire: 1
Reactivity: 0
PPE: C

Precautionary Label

XLYENE 1330-20-7, TDI PREPOLYMER, MDI PREPOLYMER

Disclaimer

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MATERIAL SAFETY DATA SHEET
Utrecht Acrylic Paints

MSDS 901.1
Date: December 3, 2009

Information: 800-223-9132
or: 609-409-8002

Section 1 – Company and Product Identification

Utrecht Art Supply
6 Corporate Drive
Cranbury, NJ 08512

Product Line: Utrecht Acrylic Paints
5003 Utrecht Artists' Acrylics Color Theory Set
5004 Utrecht Artists' Acrylics Portrait Set
5005 Utrecht Artists' Acrylics Landscape Set
5006 Utrecht Complete Artists' Acrylic Painting Set
5007 Utrecht Artists' Acrylics Wood Box Set
5009 Utrecht Artists' Acrylics Basic Color Set

See Appendix A for individual acrylic paint pigments and their associated toxicity.

Section 2 – Hazard Identification (composition / information on ingredients)

General statement of toxicity
Acrylic paints generally are not harmful when in contact with the skin. Certain pigments made with cadmium are potentially harmful if inhaled, but there is minimal risk in normal use. These paints should not be spray applied and if dust is generated from operations such as sanding dried pigment, respiratory protection (dust mask) should be used. As a general rule, wear respiratory protection for all operations that generate dust (e.g., sanding dry paint) and apply with brush only.

Formulation overview
Acrylic paints are formulated with acrylic binder, pigment and other proprietary components. A typical formula may include 50% acrylic binder plus co-polymer, 30% pigment and 20% proprietary ingredients.

Toxicity associated with pigments
Pigment toxicity reflects individual chemical components. These are noted in Appendix A.

Section 3 – Hazardous Component Information (hazard identification)

Appendix A lists Utrecht acrylic paint pigments. Toxic risks reflect inherent component hazards with the estimated exposures. The Risk Characterization for each paint product is noted in the preamble to Appendix A. In general, there is low risk of toxicity from skin exposure. Pigments with metals such as cadmium or manganese compounds should not be inhaled; thus, the guidance "Do not breath dust. Do not spray apply." While specific to such pigments, this guidance applies to all artist paints in general.

Section 4 – First Aid Measures

For overexposure due to accidental ingestion or inhalation, treat symptomatically. Adverse effects from skin exposure (the expected route of exposure in normal use) are not expected.

Inhalation	Remove to fresh air; if subject is unresponsive seek immediate medical help.
Ingestion	Treat symptomatically; do not induce vomiting; seek medical help.
Skin Contact	Wash skin with soap and water.
Eye Contact	Flush eyes for up to 15 minutes with water; if irritation persists, seek medical help.

Section 5 – Fire Fighting Measures

The acrylic paints are water-based and do not represent significant fire hazards.

Flash point, °C:	NA
Autoignition Temperature:	NA
Lower explosive limit:	NA
Upper explosive limit:	NA
Extinguishing media:	Carbon dioxide, foam, dry chemical

Section 6 – Accidental Release Measures

It is not expected that the container sizes (other than 1 gallon) would result in a spill commensurate with the definition of 'accidental release.'

Spill Procedure: Contain spillage; use dustless methods for cleanup.

Section 7 – Handling and Storage

Store at room temperature.
Do not contaminate food products.
Wash hands after use.
Avoid eye contact.

Section 8 – Exposure Control/Personal Protection

Normal usage of acrylic paints does not require special Personnel Protection Equipment (PPE). Wash hands to remove skin exposure, should it occur.

Section 9 – Physical/Chemical Properties

Acrylic paints are water-based formulations incorporating a variety of pigments (see Appendix A).

Section 10 – Stability and Reactivity

Acrylic paints are considered stable and non-reactive.

Section 11 – Toxicology Information

Acrylic paints generally have low toxicity. Some pigments have a risk of adverse effects if excessive inhalation exposure occurs. In general, avoid inhalation exposure by not applying as a spray and by wearing respiratory protection if previous work is sanded. Appendix A lists the acrylic colors and their associated toxicity determined by risk characterization. In general, these paints are considered non-toxic at the anticipated levels of exposure (i.e., skin exposure, generally restricted to the hands).

Toxicity associated with specific formula components

Cadmium: Possible carcinogen; may cause lung and kidney damage.

Manganese: Overexposure may affect the Central Nervous System and lungs. Symptoms include transitory psychosis, tiredness, weakness and pneumonitis.

Section 12 – Ecological Information

Toxicity to animals, fish and insects are not available.

Data on persistence, bioaccumulation potential and mobility in soil are not available.

Section 13 – Disposal Considerations

Under typical use situations, acrylic paints should be used up rather than disposed. If discarded, these products are not considered hazardous waste in the usual volumes available; however, minimize environmental contamination. In general, first wipe brushes on a rag or paper towel, then rinse in a small container of water and wipe again on a rag or paper towel. For final cleaning, use three containers consisting of soapy water, an initial rinse and a final rinse. Dispose of liquid waste in accordance with local regulations. Where buildup of such

compounds as cadmium, barium, lead, chromium, cyanide, selenium or mercury is suspected, the waste water should be treated as Hazardous Waste in accordance with local regulations.

Section 14 – Transport Information

No restrictive Department of Transportation requirements; not hazardous for shipping.

Section 15 – Regulatory Information

Regulated by the US Consumer Product Safety Commission for chronic hazards under Labeling of Hazardous Art Materials Act (LHAMA), codified at 16 C.F.R. § 1500.14(b)(8), which requires that art materials be properly labeled if they present a chronic adverse health effect.

Product labeling conforms to ASTM 4236.

Section 16 – Other Information

MSDS prepared by Elliot Gordon, PhD, DABT, Elliot Gordon Consulting, LLC, 55 Lillie Street, Princeton Junction, NJ 08550 (609-936-1977; ebgfox@comcast.net).

Date of MSDS/revision: December 3, 2009

Appendix A: Pigments and Associated Toxicity

Risk Characterization

The potential adverse effects of various pigments are determined through a process of risk characterization.

This process first identifies the hazard of the material (that is, the inherent toxicity of the product) and the dose-response (that is, the relationship of toxicity to systemic dose). The systemic dose is milligrams (mg) of material per kilogram (kg) of body weight: mg/kg. Once the hazard and dose-response are known, an estimation of exposure is made (that is, how much systemic dose is expected).

The systemic dose, in the case of artist paints, is generally the amount deposited on the skin and the subsequent absorption into the blood of the paint components. The systemic dose, measured in mg/kg body weight, is compared with the toxic dose-response determined in laboratory studies.

If the systemic dose is 100 times lower than the dose in animals that causes no harm, the risk to humans is judged acceptable. In the case of Utrecht acrylic paints when the systemic dose is judged 100-fold lower than the no effect level (NOEL) in animals, a designation of "no significant toxicity" is made.

The following lists the acrylic paint color along with its Color Index, where available. The risk characterization is noted and the primary chemical component(s) upon which this risk is based is noted in parentheses.

All Utrecht acrylic paints are judged safe for use under typical studio and educational settings. Where "slightly" toxic is noted, this refers to unexpected excessive exposure from breathing dust or paint spray. In these cases the following cautionary statements are noted: "Do not breath dust. Do not spray apply."

Utrecht Acrylic Paints with "slight toxicity"

Aureolin Cobalt Yellow (PY40) - Slight toxicity, (Potassium Cobaltinitrite) Do not breathe dust. Do not spray apply.

Cadmium Green (PG7, PY37) - Slight toxicity, (Phthalocyanine green; Cadmium sulfide) Do not breathe dust. Do not spray apply.

Cadmium Orange (PO20) - Slight toxicity, (Cadmium sulfoselenide orange) Do not breathe dust. Do not spray apply.

Cadmium Red Deep (PR108) - Slight toxicity, (Cadmium sulfoselenide red) Do not breathe dust. Do not spray apply.

Cadmium Red Extra Deep (PR108) - Slight toxicity, (Cadmium sulfoselenide red) Do not breathe dust. Do not spray apply.

Cadmium Red Light (PR108) - Slight toxicity, (Cadmium sulfoselenide red) Do not breathe dust. Do not spray apply.

Cadmium Red Medium (PR108) - Slight toxicity, (Cadmium sulfoselenide red) Do not breathe dust. Do not spray apply.

Cadmium Yellow Deep (PO20, PY37) - Slight toxicity, (Cadmium sulfoselenide orange; Cadmium sulphide) Do not breathe dust. Do not spray apply.

Cadmium Yellow Deep (PO20) - Slight toxicity, (Cadmium sulfoselenide orange) Do not breathe dust. Do not spray apply.

Cadmium Yellow Lemon (PY37) - Slight toxicity, (Cadmium sulphide) Do not breathe dust. Do not spray apply.

Cadmium Yellow Light (PY37) - Slight toxicity, (Cadmium sulphide) Do not breathe dust. Do not spray apply.

Cadmium Yellow Medium (PY37) - Slight toxicity, (Cadmium sulphide) Do not breathe dust. Do not spray apply.

Cerulean Blue Chromium (PB36) - Slight toxicity, (Cobalt chromite) Do not breathe dust. Do not spray apply.

Cobalt Blue (PB28) - Slight toxicity, (Cobalt aluminate) Do not breathe dust. Do not spray apply.

Cobalt Green (PG19) - Slight toxicity, (Cobalt green) Do not breathe dust. Do not spray apply.

Cobalt Turquoise (PG50) - Slight toxicity, (Cobalt titanate green) Do not breathe dust. Do not spray apply.

Delft Blue (PB60) - Slight toxicity, (Indanthrone) Do not breathe dust. Do not spray apply.

Utrecht Acrylic Paints with "no significant toxicity"

These products are "AP Approved" by ACMI[1]

Alizarin Crimson (PR83) - No significant toxicity, (Alizarin crimson).

Azo Yellow Medium (PY73) - No significant toxicity, (Pigment yellow 73).

Azo Yellow Orange (PY1) - No significant Toxicity, (Hansa yellow G).

Bright White (PW28) - No significant toxicity, (Calcium silicate).

Brilliant Blue (PB15:3) - No significant toxicity, (Copper phthalocyanine).

Brilliant Blue (PB29, PB15) - No significant toxicity, (Polysulfide of sodium, potassium, lithium or silver alumino-silicate; Copper phthalocyanine).

Brilliant Green (PG7, PY73) - No significant toxicity, (Phthalocyanine green; Pigment yellow 73).

Burnt Sienna (PBr7) - No significant toxicity, (Brown iron oxide).

Burnt Sienna (PR101) - No significant toxicity, (Ferric oxide).

Burnt Umber (PBr7) - No significant toxicity, (Brown iron oxide).

Cadmium Orange Hue (PY1; PO43, PW4) - No significant toxicity, (Hansa yellow G; Vat orange 7; Zinc oxide).

Cadmium Orange Hue (PY1; PO43) - No significant toxicity, (Hansa Yellow G; Vat orange 7).

Cadmium Red Hue (PY73, PR117, PW4) - No significant toxicity, (Pigment yellow 73; Pigment red 177; Zinc oxide).

Cadmium Red Hue (PY73; PR112; PW4) - No significant toxicity, (Pigment yellow 73; Pigment red 112, Zinc oxide).

Cadmium Yellow Hue (PY73; PW4) - No significant toxicity, (Pigment yellow 73; Zinc oxide).

Cadmium Yellow Hue (PY73) - No significant toxicity, (Pigment yellow 73).

[1] The Art & Creative Materials Institute, Inc., 1280 Main Street, P.O. Box 479, Hanson, MA 02341

Cadmium Yellow Lemon (PY73) - No significant toxicity, (Pigment yellow 73).

Cerulean Blue Hue (PB15, PW4) - No significant toxicity, (Copper phthalocyanine; Zinc oxide).

Cerulean Blue Hue (PB15, PW6) - No significant toxicity, (Copper phthalocyanine; Titanium dioxide).

Chromium Oxide Green (PG17) - No significant toxicity, (Chromium sesquioxide).

Cobalt Blue Hue (PB29) - No significant toxicity, (Polysulfide of sodium, potassium, lithium or silver alumino-silicate).

Dioxazine Purple (PV23RS) - No significant toxicity, (Fast violet RL).

Emerald Green (PG7, PY97, PW6) - No significant toxicity, (Phthalocyanine green; Pigment yellow 97; Titanium dioxide).

French Ultramarine Blue (PB29) - No significant toxicity, (Polysulfide of sodium, potassium, lithium or silver alumino-silicate).

Hansa Yellow Light (PY73) - No significant toxicity, (Pigment yellow 73).

Hansa Yellow Pale (PY3) - No significant toxicity, (Fast yellow 10G).

Hooker's Green Hue (PG7, PY42, PR101) - No significant toxicity, (Phthalocyanine green; Yellow iron oxide; Ferric oxide).

Indo Orange Red (PO43) - No significant toxicity, (Vat orange 7).

Iridescent Antique Bronze - No significant toxicity, (Synthetic coated mica).

Iridescent Antique Copper - No significant toxicity, (Synthetic coated mica).

Iridescent Antique Gold - No significant toxicity, (Synthetic coated mica).

Iridescent Antique Silver - No significant toxicity, (Synthetic coated mica).

Iridescent Bronze - No significant toxicity, (Synthetic coated mica).

Iridescent Copper - No significant toxicity, (Synthetic coated mica).

Iridescent Gold - No significant toxicity, (Synthetic coated mica).

Iridescent Russet - No significant toxicity, (Synthetic coated mica).

Iridescent Silver - No significant toxicity, (Synthetic coated mica).

Iridescent White - No significant toxicity, (Synthetic coated mica).

Ivory Black (PBk9) - No significant toxicity, (Bone black).

Light Portrait Pink (PW6) - No significant toxicity, (Titanium dioxide).

Mars Black (PBk11) - No significant toxicity, (Iron oxide black).

Mars Ivory Black (PBk11, PBk9) - No significant toxicity, (Iron oxide black; Bone black).

Mars Yellow (PY42) - No significant toxicity, (Yellow iron oxide).

Medium Gray (PBk9, PBr7, PW6) - No significant toxicity, (Bone black; Brown iron oxide; Titanium dioxide).

Naphthol Crimson (PR170) - No significant toxicity, (Fast Red F3RK).

Naphthol Red Light (PR112) - No significant toxicity, (Pigment red 112).

Payne's Gray (PBk9, PB29) - No significant toxicity, (Bone black; Polysulfide of sodium, potassium, lithium or silver alumino-silicate).

Permanent Bronze - No significant toxicity, (Synthetic coated mica).

Permanent Gold - No significant toxicity, (Synthetic coated mica).

Permanent Green Light (PY3, PG7, PW4) - No significant toxicity, (Fast yellow 10G; Phthalocyanine green; Zinc oxide).

Permanent Sap Green Deep (PG7, PY139) - No significant toxicity, (Phthalocyanine Green; Isoindoline yellow).

Permanent Silver - No significant toxicity, (Synthetic coated mica).

Pernament Green (PG7, PY3) - No significant toxicity, (Phthalocyanine Green; Fast yellow 10G).

Pernament Violet (PV15, PV23RS) - No significant toxicity, (Sodium aluminium sulfosilicate; Fast violet RL).

Phthalo Blue Shade (PB15) - No significant toxicity, (Copper phthalocyanine).

Phthalo Green Shade (PG7) - No significant toxicity, (Phthalocyanine Green).

Quinacridone Red (PV19RS) - No significant toxicity, (Quinacridone).

Quinacridone Rose (PV19) - No significant toxicity, (Quinacridone).

Quinacridone Violet (PV19RS) - No significant toxicity, (Quinacridone).

Raw Sienna (PBr7) - No significant toxicity, (Brown iron oxide).

Raw Umber (PBr7) - No significant toxicity, (Brown iron oxide).

Sap Green Hue (PG7, PBk9, PY75) - No significant toxicity, (Phthalocyanine green; Bone black; Permanent yellow).

Titanium White (PW6) - No significant toxicity, (Titanium dioxide).

Turquoise (PG7, PB15) - No significant toxicity, (Phthalocyanine Green; Copper phthalocyanine).

Ultramarine Blue (PB29) - No significant toxicity, (Polysulfide of sodium, potassium, lithium or silver alumino-silicate).

Ultramarine Violet (PV15) - No significant toxicity, (Sodium aluminium sulfosilicate).

Unbleached Titanium (PBr7, PW6, PW4) - No significant toxicity, (Brown iron oxide; Titanium dioxide; Zinc oxide).

Venetian Red (PR101) - No significant toxicity, (Ferric oxide).

Viridian (PG18) - No significant toxicity, (Chromium oxide hydrate).

Viridian Hue (PG7, PBr7, PW6) - No significant toxicity, (Phthalocyanine green; Brown iron oxide; Titanium dioxide).

Yellow Green (PG7, PY3, PW4) - No significant toxicity, (Phthalocyanine green; Hansa yellow 10G; Zinc oxide).

Yellow Ochre (PY42) - No significant toxicity, (Yellow iron oxide).

Yellow Ochre (PY43, PY42) - No significant toxicity, (Yellow iron oxide; Natural yellow iron oxide).

Firestone Building Products Company
Material Safety Data Sheet

January 17, 2003

SECTION 1: PRODUCT IDENTIFICATION

Product Name:	Water-Block S-20
Chemical Name / Synonym:	None
Chemical Family:	Mixture
24-Hour Emergency Phone:	(800) 424-9300 CHEMTREC
Manufacturer's Name:	Firestone Building Products Company
Manufacturer's Address:	525 Congressional Blvd., Carmel IN 46032
NFPA Hazard Rating:	Health 1, Flammability 3, Reactivity 0
HMIS Hazard Rating:	Health 2, Flammability 3, Reactivity 0
OSHA Hazardous:	Yes

SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Heptane	None	142-82-5	14	PEL 500 ppm TLV 400 ppm TLV STEL 500 ppm
Calcium Carbonate	Limestone	1317-65-3	>3	$PEL_{(Respirable)}$ 5 mg/m^3 $PEL_{(Total)}$ 15 mg/m^3 TLV 10 mg/m^3
Kaolin	Clay	1332-58-7	>3	$PEL_{(Respirable)}$ 5 mg/m^3 $PEL_{(Total)}$ 15 mg/m^3 $TLV_{Respirable)}$ 2 mg/m^3
Nonhazardous as per 29 CFR 1910.1200.	None	None	<80	None Established

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure:	Inhalation
Signs and Symptoms of Exposure:	Eye contact may cause moderate eye irritation, redness, tearing and blurred vision. Prolonged or repeated skin contact may cause irritation, dermatitis and drying of the skin. Inhalation may cause respiratory system irritation and central nervous system depression (Narcosis) characterized by headache, dizziness, muscular weakness and fatigue. May cause unconsciousness if exposure is excessive.
Medical Conditions Aggravated by Exposure:	Exposure to this product may aggravate pre-existing skin and respiratory diseases. .
Chronic Effects:	May cause kidney, liver, spleen and central nervous system damage. May cause brain cell and neuromuscular damage based upon animal studies.
Carcinogenicity:	None

SECTION 4: FIRST AID MEASURES

First Aid Procedures:	If this material contacts the eyes, hold eyelids open and flush

	immediately with a gentle stream of water for at least 15 minutes, preferably at an eyewash fountain. Get medical attention. In case of skin contact, clean with rubbing alcohol first, followed immediately by washing affected area with soap and water. In case of inhalation, remove to fresh uncontaminated air. Administer oxygen if breathing is labored. Give artificial respiration if breathing has stopped. Get medical attention immediately if oxygen or artificial respiration are administered. In case of accidental ingestion, do not induce vomiting. Get medical attention and advise the physician of the nature of the material.

SECTION 5: FIRE FIGHTING PROCEDURES

Suitable Extinguishing Media:	Foam, water spray, (fog), Carbon Dioxide, dry chemical, and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this product. Water may be ineffective, but should be used to keep fire exposed containers cool. If a leak or spill has ignited, use water to disperse the vapors and to protect men attempting to stop a leak. Water spray may be used to flush spills away from exposures.
Hazardous Combustion Products:	Carbon Dioxide, Carbon Monoxide, Aldehydes, acrid smoke and irritating fumes.
Recommended Fire Fighting Procedures:	Wear impermeable protective clothing and self-contained breathing apparatus. Toxic fumes and vapors may be evolved. Minimize the breathing of gases, vapors, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.
Unusual Fire and Explosion Hazards:	This product is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:	Shut off and eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product clear of sewers, water, or extensive land areas. Assure conformity with applicable government regulations. Continue to observe precautions for volatile, flammable vapors from absorbed material.
Precautions to Be Taken in Handling and Storing:	Keep away from heat, sparks, and open flames. Keep containers closed. Vapors of this material are heavier than air and will collect in low or confined areas. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations near containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground all transfer containers and equipment.

SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation:	Use with ventilation sufficient to prevent exceeding recommended exposure limits or build up of explosive concentrations of vapor in air.
Respiratory Protection:	If personal exposure concentrations cannot be maintained below the appropriate exposure limits using engineering controls, a NIOSH approved organic vapor air purifying respirator may be appropriate based on employer-determined exposure levels. Air supplied or SCBA respirators may be required when the measured chemical concentration exceeds the capacity of the air purifying respirator or when personal exposure levels are unknown.
Eye Protection:	Safety glasses with side shields are recommended when pouring or applying this product.
Skin Protection:	Wear polyvinyl alcohol, nitrile rubber, or neoprene gloves when handling this product to avoid prolonged skin contact.
Other:	Not required.
Work / Hygienic Practices:	Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Gray with mild odor		
Flash Point:	14° F	Lower Explosive Limit:	1.0%
Method Used:	Tagliabue closed tester	Upper Explosive Limit:	7.0%
Evaporation Rate:	4.5 (Butyl Acetate=1)	Boiling Point:	200° F
pH (undiluted product):	Unknown	Melting Point:	Unknown
Solubility in Water:	Insoluble	Specific Gravity:	1.33 (Water=1)
Vapor Density:	3.4 (Air=1)	Percent Volatile:	25.5%
Vapor Pressure:	45 mm Hg @ 20°C		

SECTION 9: STABILITY AND REACTIVITY

Thermal Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Avoid flames, sparks or other sources of ignition. Incompatible with acids, alkalies and strong oxidizing agents.

SECTION 10: TRANSPORTATION

Regulatory Agency:	U.S.A., DOT, IMO
Proper Shipping Name:	ADHESIVES, 3, UN1133, II
Hazard Classification:	3
Identification Number:	UN1133
Labels Required:	Flammable Liquid

Other Requirements:	49 CFR 172.101Adhesives, UN1133, IMDG Class 3.2, Pg. 3174,Flash Point -10° C

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	None
Date of Previous MSDS:	April 28, 2000.
Changes Since Previous MSDS:	Holding company name change.
Telephone Number for Additional Information:	(317) 575-7190

DISCLAIMER

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