

MSDS No.: 267
Revision No.: 006
Revision Date: 08/17/04
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MATERIAL SAFETY DATA SHEET

Product name: CP 606 Flexible Firestop Sealant
Description: Fire resistant sealant
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)

INGREDIENTS AND EXPOSURE LIMITS

Ingredients:	CAS Number:	TLV:	PEL:	STEL:
Calcium carbonate	01317-65-3	NA	NA	NE
Polybutene	09003-29-6	NE	NE	NE
Ethylene glycol	00107-21-1	C: 100 mg/m ³ (A)	NE	NA
Pigment	13463-67-7 ¹ or 1309-37-1 ²	NA	NA	NE
Isononyl phthalate	28553-12-0	NE	NE	NE

¹ CP 606 white; ² CP 606 red.

Abbreviations: PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. STEL = Short Term Exposure Limit. NE = None Established. NA = Not Applicable.

PHYSICAL DATA

Appearance:	White or red paste.	Odor:	Negligible.
Boiling Point:	Not applicable.	Vapor Pressure:	Not applicable.
Melting Point:	Not determined.	VOC Content:	71.0 g/L
Evaporation Rate:	Not applicable.	Solubility in Water:	Miscible.
pH:	Not determined.	Specific Gravity:	1.55

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not applicable.	Flammable Limits:	Not applicable.
Fire / Explosion Hazards:	None known.		
Extinguishing Media:	As appropriate for surrounding fire; material itself does not burn.		
Special Fire Fighting Procedures:	As appropriate for surrounding fire.		

REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerization:	Will not occur.
Incompatibility:	Strong oxidizing agents.		
Hazardous Decomposition Products:	Not applicable.		
Conditions to Avoid:	Avoid temperature extremes that could shorten the shelf life of this product. See handling and storage requirements.		

HEALTH HAZARD DATA

Known Hazards:	Acute: Product is slightly alkaline; minor irritation is possible. Chronic: None known.
Signs and Symptoms of Exposure:	Eyes - Can cause slight irritation but injury is unlikely. Skin - Can cause irritation with some individuals. Inhalation - No effects expected. Ingestion - Not considered to be a route of exposure. Effects of ingestion have not been determined.
Routes of Exposure:	Inhalation, Dermal.
Medical Conditions Aggravated by Exposure:	Eye, skin, and respiratory conditions.
Carcinogenicity:	No ingredients are classified as a carcinogen by IARC, NTP or OSHA.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Flush with plenty of water while holding eyelids apart. Seek medical attention if any effects develop.
Skin:	Wash with soap and water. Launder clothing before reuse.
Inhalation:	Move to fresh air.
Ingestion:	No ill effects expected. Not a likely route of exposure.
Other:	Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:	General (natural or mechanically induced fresh air movements).
Eye Protection:	Not required, however, safety glasses should be worn in most industrial settings.
Skin Protection:	Cloth gloves are recommended.
Respiratory Protection:	Not normally required. Where ventilation is inadequate to control vapors, use a NIOSH-approved respirator with organic vapor cartridges. Never enter a confined space without an appropriate air supplied respirator.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Store in a cool dry area. Keep from freezing. Shelf life is one year from date of manufacture if stored between 40° and 77° F (5 - 25° C). For industrial use only. Keep out of reach of children. Keep container sealed when not in use to prevent curing of the product. Avoid contact with the eyes and skin. Practice good hygiene; i.e. wash after using and before eating or smoking.
Spill Procedures:	Allow to cure and place in a container for proper disposal in accordance with all applicable local, state, or federal requirements. Not regulated as a hazardous waste according to federal EPA definitions.

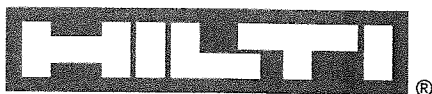
REGULATORY INFORMATION

Hazard Communication:	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
HMIS Codes:	Health 1, Flammability 0, Reactivity 0, PPE B (Gloves, Glasses)
DOT Shipping Name:	Not regulated.
IATA / ICAO Shipping Name:	Not regulated.
TSCA Inventory Status:	Chemical components listed on TSCA inventory.
SARA Title III, Section 313:	This product contains approximately 3% ethylene glycol which is subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
EPA Waste Code(s):	Not regulated by EPA as a hazardous waste.
Waste Disposal Methods:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

CONTACTS

Customer Service:	1 800 879 8000	Technical Service:	1 800 879 8000
Health / Safety:	1 800 879 6000	Jerry Metcalf	(x6704)
Emergency # (Chem-Trec):	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)		

The information and recommendations contained herein are based upon data believed to be correct; however, no guarantee or warranty of any kind expressed or implied is made with respect to the information provided.



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MATERIAL SAFETY DATA SHEET

Product name: CP 620 Fire Foam
Description: Two-component polyurethane fire stopping foam in a plastic tube / cartridge
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (Other countries)

INGREDIENTS AND EXPOSURE LIMITS

Ingredients:	CAS Number:	TLV:	PEL:	STEL:
Part A:				
Amino, polyester and propoxylated polyols	Mixture	NE	NE	NE
Polyester polyol	025038-59-9	NE	NE	NE
Graphite, expanded	012777-87-6	NE	NE	NE
Ammonium polyphosphate	068333-79-9	NE	NE	NE
Brominated polyester polyol	Mixture	NE	NE	NE
Zinc borate	138265-88-0	NE	NE	NE
Catalyst	083016-70-0	NE	NE	NE
Pigment	001309-37-1	NA (5 mg/m ³ *)	NA (10 mg/m ³ *)	NE
Part B:				
Polymeric diphenylmethane diisocyanate	009016-87-9	0.005 ppm **	C: 0.02 **	NE
Tris(2-chloroisopropyl) phosphate	013674-84-5	NE	NE	NE

Abbreviations: NE = None Established. NA = Not Applicable. * Only relevant for dusts and fumes. ** Exposure limit for MDI that may be present in trace amounts as a residual monomer.

PHYSICAL DATA

Appearance:	Red liquid / foam	Odor:	Negligible
Vapor Density: (air = 1)	Not determined	Vapor Pressure:	Not determined
Boiling Point:	Not determined	VOC Content:	15.0 g/L
Evaporation Rate:	Not applicable	Solubility in Water:	Insoluble
Specific Gravity:	1.2 – 1.4	pH:	Not determined

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not applicable	Flammable Limits:	Not applicable
Extinguishing Media:	Carbon Dioxide, Dry Chemical, Foam		
Special Fire Fighting Procedures:	Isocyanates are not compatible with water. Reaction with water liberates CO ₂ , which can cause the tubes / cartridges to leak.		
Unusual Fire and Explosion Hazards:	Thermal decomposition products can be released. See below.		

REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerization:	Will not occur.
Incompatibility:	Alcohols, strong bases, alkali metal compounds. Reacts with water (nonviolently).		
Decomposition Products:	Thermal decomposition can yield CO, CO ₂ , HCl, HBr, HCN, and NO _x .		
Conditions to Avoid:	Temperature extremes will shorten product shelf life; i.e. below freezing / above 100° F. Exposure to water and high humidity will cause the product to polymerize (cure).		

HEALTH HAZARD DATA

Known Hazards:	Acute: Eye, skin, and respiratory irritation. Chronic: Sensitization
Signs and Symptoms of Exposure:	Eyes: Can adhere to cornea. Skin: Can adhere to the skin. Can cause irritation and possibly sensitization; e.g. itching, swelling, rashes, etc. Inhalation: Vapor generated when heated to temperatures > 100° F can cause irritation of the breathing tract. Some individuals can develop an allergic (asthmatic-like) response. Ingestion: Effects of ingestion have not been determined. Not a likely route of exposure.
Routes of Exposure:	Dermal. Inhalation.
Carcinogenicity:	No ingredients are classified as a carcinogen by IARC, NTP or OSHA.
Medical Conditions Aggravated by Exposure:	Eye, skin, and respiratory conditions.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Immediately flush with large amounts of clean water and seek medical attention.
Skin:	Wash immediately with soap and warm water. Do not allow material to harden / cure on the skin since it may be difficult to remove. If material has hardened, use Hilti MC 400 Hand Cleaner to remove. If still unable to remove, buff off with a pumice stone.
Inhalation:	Move victim to fresh air. Call a physician if symptoms persist.
Ingestion:	Seek medical attention. Do not induce vomiting unless directed to by a physician.
Other:	Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure. If sensitization occurs, future use / contact should be avoided.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:	General (natural or mechanically induced fresh air movements).
Eye Protection:	Goggles recommended; safety glasses with side shields as a minimum.
Skin Protection:	Cotton gloves are suitable.
Respiratory Protection:	Not normally required. If MDI concentrations exceed recommended levels, a supplied air respirator is required.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Avoid contact. Material will adhere to the skin. Use with adequate ventilation. Store in a cool dry place. Do not store in direct sunlight. Keep from freezing. Store between 50° and 90° F. Always wash thoroughly after handling chemical products. For industrial use only. Keep out of reach of children. Follow label and use instructions.
Spill Procedures:	Wear appropriate personal protective equipment. CP 620 will polymerize (cure) upon contact with air / moisture. Allow product to cure, then remove for disposal. See disposal guidelines below.

REGULATORY INFORMATION

Hazard Communication:	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard, 29 CFR 1910.1200.
HMIS Codes:	Health 2, Flammability 0, Reactivity 1, PPE B (Gloves, Glasses)
DOT Shipping Name:	Not regulated
IATA Shipping Name:	Not regulated
TSCA Inventory Status:	Chemical components listed on TSCA inventory.
SARA Title III, Section 313:	Part A contains 3 - 4% zinc borate (Re: zinc compounds) and Part B contains 88 - 92% polymeric MDI (CAS 9016-87-9) which are subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
EPA Waste Code(s):	D003 water reactive (for uncured product) / not regulated if product has been dispensed and has cured
Waste Disposal Methods:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

CONTACTS

Customer Service:	1 800 879 8000	Technical Service:	1 800 879 8000
Health / Safety:	1 800 879 6000	Jerry Metcalf	(x6704)
Emergency # (Chem-Trec):	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 703 527 3887 (Other countries)		

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MSDS No.: 101
Revision No.: 018
Date: 02/13/03
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MATERIAL SAFETY DATA SHEET

Product name: Safety Boosters
Description: 22, 25, and 27 caliber blank cartridges. Also called shots, loads, power loads, safety cartridges.
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (Other countries)

For: A I M SYSTEMS
31805 W 8 MILE
LIVONIA, MI 48152-4216

P.O. No. 103019

INGREDIENTS AND EXPOSURE LIMITS

Ingredients:	CAS Number:	TLV:	PEL:	STEL:
Nitroglycerin	00055-63-0	0.46 mg/m ³ (S)	NE	0.1 mg/m ³ (S)
Nitrocellulose	09004-70-0	NE	NE	NE
Lead styphnate	15245-44-0	0.15 mg/m ³	0.05 mg/m ³	NE
Barium nitrate	10022-31-8	0.5 mg/m ³	0.5 mg/m ³	NE
Tetracene	00109-27-3	NE	NE	NE

Abbreviations: PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. STEL = Short Term Exposure Limit. NE = None Established. NA = Not Applicable. (S) indicates exposure should be controlled for the cutaneous routes including the mucous membranes, eyes, and skin. Airborne exposures as well as direct contact must be considered.

PHYSICAL DATA

Appearance:	Blank brass cartridges.	Odor:	None.
Vapor Density: (air = 1)	Not applicable.	Vapor Pressure:	Not applicable.
Boiling Point:	Not applicable.	VOC Content:	Not applicable.
Evaporation Rate:	Not applicable.	Solubility in Water:	Not applicable.
Specific Gravity:	Not applicable.	pH:	Not applicable.

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not applicable.	Flammable Limits:	Not applicable.
Extinguishing Media:	Water.		
Special Fire Fighting Procedures:	Flood area with water or keep cartridges cool with water spray.		
Unusual Fire and Explosion Hazards:	Cartridges can blast if exposed to temperatures > 160°C. Mass detonation will not occur.		

REACTIVITY DATA

Hazardous Polymerization:	Will not occur.	Stability:	Stable.
Incompatibility:	Strong acids and oxidizing agents.		
Decomposition Products:	Oxides of nitrogen, oxides of carbon, acid fumes and lead oxide.		
Conditions to Avoid:	Acids, excessive heat, crushing, and electrical currents.		

HEALTH HAZARD DATA

Known Hazards:	OSHA has established an action level of 0.03 mg/m ³ for lead. Exposures that exceed recommended limits for lead may be possible under certain conditions such as excessive firing with little air movement and/or firing in small enclosed work areas.
Signs and Symptoms of Exposure:	Excessive exposure to gases might cause irritation to the eyes, skin, and respiratory system. Adverse health effects are not expected from acute exposure to fumes and gases; however, adequate ventilation, personal protective equipment, and/or good personal hygiene practices are essential to keep exposure to a minimum.
Routes of Exposure:	Dermal. Inhalation.

Carcinogenicity:	Inorganic lead compounds are classified by IARC as Group 2B (animal) carcinogens. The lead compounds tested in lab animals were almost all soluble salts. Metallic lead and lead oxide have not been tested adequately. A study by Goyer and Rhyne (1973) concluded that "there is no evidence that lead produces cancer in man".
Medical Conditions Aggravated by Exposure:	None anticipated.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	If irritation occurs, flush with plenty of water. Consult a physician if symptoms persist.
Skin:	Practice good hygiene; i.e. wash with soap and water after using and before meals.
Inhalation:	Move victim to fresh air. Get medical attention if symptoms persist.
Ingestion:	Get immediate medical attention.
Other:	Seek prompt medical attention if physical injury occurs from pins, rivets, debris, etc. For bleeding wounds, place a clean cloth or similar absorbent material on the wound and apply firm pressure. Elevate the wound and transport immediately to a medical facility.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:	General (i.e., natural or mechanically induced fresh air movements that maintain vapor concentrations below recommended exposure limits).
Eye Protection:	Safety glasses with side-shields, as a minimum. Safety goggles recommended.
Skin Protection:	Cleaning powder actuated tools can result in some exposure to lead compounds. Cloth gloves are recommended, otherwise, wash hands thoroughly when finished and before eating or smoking.
Respiratory Protection:	Not normally required. Where air movement is inadequate to maintain exposure below recommended levels, wear a high efficiency particulate respirator.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Store in a cool dry place. Do not crush or drop. Keep away from excessive heat (such as extremely hot surfaces and flames), electrical current, strong acids and oxidizers. NFPA 495 requires 15 feet separation (or 1-hour firewall) from flammable liquids, flammable solids, and oxidizers. For industrial use only. Keep out of reach of children. Use with adequate ventilation. Practice good hygiene; i.e. wash after using and before eating or smoking.
Other Precautions::	Use only in powder actuated tools designed to handle these boosters. Construction industry employees must be properly trained as prescribed by OSHA regulations 29 CFR 1926.302 (e). All employees should be familiar with the safe operating procedures and requirements for powder operated tools as described in ANSI A10.3 and OSHA 29 CFR 1910.243 (d).

REGULATORY INFORMATION

DOT Shipping Name:	Consumer commodity, ORM-D	EPA Waste Code(s):	D003
Hazard Communication:	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.		
HMIS Codes:	Health 1, Flammability 1, Reactivity 3, PPE B (Glasses, Gloves)		
TSCA Inventory Status:	Chemical components listed on TSCA inventory.		
SARA Title III, Section 313:	This product contains < 1% lead styphnate (CAS No. 15245-44-0), < 0.1% barium nitrate (CAS No. 10022-31-8), and 5 - 11% nitroglycerin (CAS No. 55-63-0) which are subject to the reporting according to Section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.		
Waste Disposal Methods:	Misfires should be stored in a closed container until disposal or as otherwise required by local, state, and federal safety, health and environmental regulations. The recommended disposal method is in a burner specifically designed to destroy ammunition.		
EPA Waste Code(s):	D008		

CONTACTS

Customer Service:	1 800 879 8000	Technical Service:	1 800 879 8000
Health / Safety:	1 800 879 6000	Jerry Metcalf	(x6704)
Emergency # (Chem-Trec):	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)		

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Product Identification

Product Name: **BOSS 136 Fire Stop Draft Sealant**

Date Issued: 02/13/03

Supersedes: 11/08/02

I. Chemical Product and Company Identification

Product Name: BOSS 136 Fire Stop Draft Sealant

Chemical Name: Noncombustible Silicate Cement

Molecular Formula: Mixture

Proper DOT Shipping: Caulking Compound

DOT Hazard Classification: None

Manufacturer: Accumetric, LLC

350 Ring Road

Elizabethtown, KY 42701

Manufacturer's Phone Number: (270) 769-3385

Chemtrec Number: (800) 424-9300 (24 hours)

II. Hazardous Ingredients

Name: Aluminum Trihydrate

CAS Number: 21645-51-2

Percent by Weight: < 60 %

ACGIH TLV: 10 mg/m³ (dust)

OSHA PEL: 10 mg/m³ (dust)

Remaining ingredients are not considered hazardous per OSHA Standards.

III. Hazards Identification

HMIS Hazard Rating: Health 2 Flammability 0 Reactivity 0

Note: The HMIS rating involves data interpretation that varies from company to company. This information is intended for general identification to specific hazards.

Emergency Overview: Noncombustible colored paste that causes irritation to the eye, skin and digestive tract. High pH is harmful to aquatic life. Reacts with acids, ammonium salts, reactive metals, and some organics.

Eye Contact: Causes irritation

Skin Contact: Causes irritation

Inhalation: None known

Ingestion: May cause irritation. DO NOT INDUCE VOMITING

Carcinogen: No NTP: No IARC Monographs: No OSHA Regulated: No

IV. First Aid Measures

Primary Routes of Entry: Skin and Inhalation

Inhalation: Remove to fresh air. No emergency care anticipated.

Skin: Wash with soap and water. No emergency care anticipated.

Eyes: Flush with plenty of water for at least 15 minutes.

Ingestion: If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

V. Fire Fighting Measures

Flash Point: None

Flammability Limits in Air Lower: N/A

Upper: N/A

Extinguishing Media: Foam, CO₂, Dry Chemical, and Water Fog

Special Fire Fighting Procedures: Breathing apparatus required when fighting fires in enclosed areas.

Unusual Fire and Explosion Hazards: None Known

VI. Accidental Release Measures

Use absorbent material to soak up spilled material. If dried, scrape up and place into containers.

VII. Handling and Storage

Personal Precautionary Measures: Avoid eye contact and repeated prolonged contact with the skin. Keep out of reach from children.

Storage: Store in a cool dry place. Protect from freezing and excessive heat. Store away from caustics and oxidizers.

VIII. Exposure Controls and Personal Protection

Ventilation: Good general ventilation should be sufficient.

Respiratory Protection: If engineering controls do not maintain airborne concentrations of hazardous ingredients below limits in Section II of this MSDS, then a NIOSH/NSHA approved organic vapor respirator should be used. Not required under normal usage and adequate ventilation.

Eye Protection: Wear safety glasses with side shields.

Skin Protection: Impervious gloves are suggested.

IX. Physical and Chemical Properties

Solubility in Water: Dilutable in wet stage
Appearance: Colored paste
Odor: No odor
Specific Gravity (H₂O=1): 1.90
Volatile Organic Content (g/L): 12

X. Stability and Reactivity

Stability: Stable
Incompatibility: None known
Hazardous Polymerization: Will not occur
Conditions to Avoid: Excessive heat and freezing.

XI. Toxicological Properties

No information is available.

XII. Ecological Properties

No information is available.

XIII. Disposal Considerations

Dispose of according to Federal, State, and Local laws. This product is not defined as a hazardous waste as per 40 CFR 261.

XIV. Transport Considerations

DOT (USA): Caulking Compound
DOT Hazard Classification: None
UN/NA Number: None
Label Required: None

XV. Regulatory Information

TSCA: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.
SARA 302: No components subject to 40 CFR 370
SARA 311 & 312: Not subject to reporting requirements of 40 CFR 370
SARA 313: No components subject to 40 CFR 372
DSL: All ingredients are listed on the DSL

XV. Other Information

Disclaimer: The opinions expressed herein are those of qualified experts within Accumetric. We believe the information contained herein is current as of date of this MSDS. Since the use of the product is not within the control of Accumetric, it is the user's obligation to determine the conditions of safe use.

Accumetric, LLC
350 Ring Road
Elizabethtown, KY 42701
(800) 928-2677 OR 270-769-3385

PRODUCT IDENTIFICATION

CHEMICAL NAME:
HI-TEMPERATURE
SILICONE SEALANT

CUSTOMER NAME:
BOSS 376 HI-TEMP RED
SILICONE SEALANT

CHEMICAL FAMILY:
SILICONE

FORMULA:
MIXTURE

HAZARD CLASS: U.N. NUMBER: PACKING GROUP:

HAZARDOUS INGREDIENTS

NAME: METHYLTRIACTOXYLANE
CAS NUMBER: 004253343 PERCENT BY WEIGHT: 2.00%
ACGIH TLV: NONE ESTABLISHED
OSHA PEL: NONE ESTABLISHED
OSHA STEL: NONE ESTABLISHED

NAME: ETHYLTRIACTOXYLANE
CAS NUMBER: 017689779 PERCENT BY WEIGHT: 2.00%
ACGIH TLV: NONE ESTABLISHED
OSHA PEL: NONE ESTABLISHED
OSHA STEL: NONE ESTABLISHED

NAME: SILICA
CAS NUMBER: 007631869 PERCENT BY WEIGHT: 10.00%
ACGIH TLV: 10 MG/M3
OSHA PEL: NONE ESTABLISHED
OSHA STEL: NONE ESTABLISHED

NON-HAZARDOUS INGREDIENT: POLYDIMETHYSILOXANE

PHYSICAL PROPERTIES

BOILING POINT: N/A
VAPOR PRESSURE (MM HG): <5 MM
VAPOR DENSITY (AIR=1): N/A

SOLUBILITY IN WATER: <0.1%
APPEARANCE AND ODOR: ACETIC ACID-LIKE PASTE
SPECIFIC GRAVITY (H2O=1): 1.04
MELTING POINT: N/A
EVAPORATION RATE (ETHER 1): <1

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT & METHOD: 212 DEG F/100 DEG C OPEN CUP
FLAMMABLE LIMITS: NOT DETERMINED
LEL%: N/D
UEL%: N/
EXTINGUISHING MEDIA: WATER, WATER FOG, CO2, DRY CHEMICAL, FOAM
SPECIAL FIRE FIGHTING PROCEDURES:
SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD
BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE KNOWN.

REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: AIR OR MOISTURE CAUSES POLYMERIZATION AND
ACETIC ACID VAPORS ARE FORMED.
INCOMPATIBILITY: OXIDIZING MATERIAL CAN CAUSE A REACTION.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
SILICONE DIOXIDE, CARBON DIOXIDE, AND TRACES OF INCOMPLETELY BURNED
CARBON PRODUCTS.
HAZARD POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NONE

HEALTH HAZARD DATA

ROUTES OF ENTRY:
INHALATION: YES SKIN: YES INGESTION: YES
HEALTH HAZARDS: NONE KNOWN
CARCINOGENICITY: NTP: NO IARC MONOGRAPHS: NO
OSHA REGULATED: NO
SIGNS AND SYMPTOMS OF EXPOSURE:
INGESTION: MAY CAUSE STOMACH DISCOMFORT
SKIN CONTACT: UNCURED PRODUCT MAY IRRITATE LIPS, GUMS, TONGUE, AND
SKIN.
EYE CONTACT: UNCURED PRODUCT CONTACT IRRITATE EYES.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN
EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH WITH WATER FOR 15 MINUTES. OBTAIN MEDICAL ATTENTION
SKIN: WIPE OFF AND FLUSH WITH WATER
INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION
ORAL: OBTAIN MEDICAL ATTENTION

COMMENTS: WHEN HEATED TO TEMPERATURES ABOVE 150°C (300°F) IN THE PRESENCE OF AIR, PRODUCT CAN FORM FORMALDEHYDE VAPORS. FORMALDEHYDE IS A POTENTIAL CANCER HAZARD AND A KNOWN SKIN AND RESPIRATORY SENSITIZER. VAPORS IRRITATE EYES, NOSE AND THROAT. SAFE HANDLING CONDITIONS MAY BE MAINTAINED BY KEEPING VAPOR CONCENTRATIONS WITHIN THE OSHA PERMISSIBLE EXPOSURE LIMIT FOR FORMALDEHYDE.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE PRODUCT AND USE ABSORBENT MATERIAL TO TAKE CARE OF ANY OIL-LIKE RESIDUES.

WASTE DISPOSAL METHOD:

REVIEW ALL LOCAL, STATE, AND FEDERAL REGULATIONS CONCERNING HEALTH AND POLLUTION TO DETERMINE APPROVED DISPOSAL METHOD.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

STORE BELOW 90 DEG. F. USE REASONABLE CARE AND CAUTION.

OTHER PRECAUTIONS:

NONE KNOWN

CONTROL MEASURES

RESPIRATORY PROTECTION:

ACID GAS/ORGANIC VAPOR TYPE

VENTILATION:

LOCAL EXHAUST: NONE ESTABLISHED

MECHANICAL: NONE

SPECIAL: N/A

OTHER: N/A

PROTECTIVE GLOVES: USE CHEMICAL WORKERS GLOVES.

EYE PROTECTION: USE PROPER EYE PROTECTION, SAFETY GLASSES AS MINIMUM.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

NONE

WORK PRACTICES:

GROSS AMOUNTS OF MATERIAL SHOULD BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING OR SMOKING.

DATE PREPARED: SEPTEMBER, 2000

REVISION: SEPTEMBER 2003



MSDS No.: 268
Revision No.: 010
Revision Date: 06/25/07
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MATERIAL SAFETY DATA SHEET

Product name: CP 672 Firestop Joint Spray
Description: Fire rated mastic for construction joints
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (Other countries)

For: AIM SYSTEMS
31805 8 Mile Rd
Livonia, MI 48152-4216

INGREDIENTS AND EXPOSURE LIMITS

Ingredients:	CAS Number:	TLV: mg/m ³	PEL: mg/m ³	STEL: mg/m ³
Acrylic polymer	Mixture	NE	NE	NE
Aluminum hydroxide	21645-51-2	NE	NE	NE
Calcium carbonate	1317-65-3	10	15 (T); 5 (R)	NE
Calcined kaolin	66402-68-4	NA	NA	NE
Diisononyl phthalate	68515-48-0	NE	NE	NE
Ethylene glycol	107-21-1	NE	NE	C: 100
Pigments:				
• Red iron oxide	1309-37-1 ¹	5 (R)	10 (fume)	NE
• Black iron oxide	1317-61-9 ²	NE	NE	NE
• Titanium dioxide	13463-67-7 ^{2,3}	10	15 (T)	NE
	¹ CP672 red	² CP672 grey	³ CP672 white	

Abbreviations: PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. STEL = Short Term Exposure Limit. C = Ceiling. NE = None Established. T = Total dust. R = Respirable dust

PHYSICAL DATA

Appearance:	Red, grey, or white sprayable paste	Odor:	Mild odor
Vapor Density: (air = 1)	Not applicable	Vapor Pressure:	Not determined
Boiling Point:	Not determined	VOC Content:	0.0 g/L
Evaporation Rate:	Not determined	Solubility in Water:	Soluble
Specific Gravity:	1.3	pH:	8.5 - 9.5

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	None	Flammable Limits:	Not applicable
Extinguishing Media:	As appropriate for surrounding fire (e.g. Water, Carbon Dioxide, Dry Chemical, Foam)		
Special Fire Fighting Procedures:	Wear full protective clothing. A NIOSH-approved self-contained breathing apparatus (SCBA) should be worn when fighting fires involving chemicals.		
Unusual Fire and Explosion Hazards:	None known. Thermal decomposition products such as oxides of carbon and nitrogen can be produced under fire conditions. See below.		

REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerization:	Will not occur.
Incompatibility:	Metal salts will coagulate this product		
Decomposition Products:	Thermal decomposition can yield oxides of carbon and nitrogen.		
Conditions to Avoid:	Avoid temperature extremes which could shorten the shelf-life of this product; i.e. below 40° and above 77° F. (See handling and storage requirements).		

HEALTH HAZARD DATA

Known Hazards:	Acute: No effects expected; irritation is possible. Chronic: None known
Signs and Symptoms of Exposure:	Eyes: Can cause irritation or watering but injury is unlikely. Skin: Irritation is possible with some individuals. Inhalation: No effects expected. Ingestion: Effects of ingestion have not been determined. Considered to have a low acute oral toxicity.
Routes of Exposure:	Contact.
Carcinogenicity:	No ingredients are classified as a carcinogen by IARC, NTP or OSHA.
Medical Conditions Aggravated by Exposure:	None known

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Flush with plenty of water. Contact a Physician if symptoms occur.
Skin:	Wash with soap and water. Seek medical attention if any effects persist.
Inhalation:	Move victim to fresh air. Contact a Physician if symptoms occur.
Ingestion:	Do not induce vomiting unless directed by a Physician. Contact a Physician immediately.
Other:	Referral to a Physician is recommended if there is any question about the seriousness of the injury/exposure.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:	General (natural or mechanically induced fresh air movements).
Eye Protection:	While spraying, chemical goggles are recommended. As a minimum, wear safety glasses with side shields.
Skin Protection:	Impermeable (neoprene or rubber) gloves recommended.
Respiratory Protection:	None normally required.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Store in a cool dry area. Keep from freezing. Store between 40° and 77° F. For industrial use only. Keep out of reach of children. Use with adequate ventilation. Keep container closed when not in use. Do not get into the eyes. Avoid prolonged or repeated contact with the skin. Practice good hygiene; i.e. wash after using and before eating or smoking.
Spill Procedures:	Wipe away spilled material before it hardens. Place in a container for proper disposal in accordance with all applicable local, state, or federal requirements.

REGULATORY INFORMATION

Hazard Communication:	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard. 29 CFR 1910.1200.
HMIS Codes:	Health 1, Flammability 0, Reactivity 0, PPE B (Glasses, Gloves)
DOT Shipping Name:	Not regulated.
IATA / ICAO Shipping Name:	Not regulated.
TSCA Inventory Status:	Chemical components listed on TSCA inventory.
SARA Title III, Section 313:	This product contains 1 – 2.5% ethylene glycol (CAS 107-21-1) which is subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
EPA Waste Code(s):	Not regulated by EPA as a hazardous waste
Waste Disposal Methods:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

CONTACTS

Customer Service:	1 800 879 8000	Technical Service:	1 800 879 8000
Health / Safety:	1 800 879 6000	Jerry Metcalf	(x6704)
Emergency # (Chem-Trec):	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)		

The information and recommendations contained herein are based upon data believed to be correct; however, no guarantee or warranty of any kind expressed or implied is made with respect to the information provided.



MSDS No.: 261
Revision No.: 006
Revision Date: 3/1/05
Page: 1 of 2

MATERIAL SAFETY DATA SHEET

Product name: FS 657 Fire Block; CP 658T Firestop Plug
Description: Intumescent polyurethane foam
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)

INGREDIENTS AND EXPOSURE LIMITS

These products are regarded as "articles" by definition under OSHA Regulation 29 CFR 1910.1200 (c). FS 657/CP 658T can best be described as a sponge-like polyurethane materials, which expand when exposed to excessive heat/fire conditions. The physical form of the products preclude exposure to workers under normal conditions of use or any foreseeable emergency.

PHYSICAL DATA

Appearance:	Rust colored foam block	Odor:	None
Vapor Density: (air = 1)	Not applicable	Vapor Pressure:	Not applicable
Ignition Point:	420° C / 788° F	VOC Content:	3.9 g/l
Evaporation Rate:	Not applicable	Solubility in Water:	Not soluble
Specific Gravity:	0.25 g/cm ³	pH:	Not applicable

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not applicable	Flammable Limits:	Not applicable
Extinguishing Media:	Not applicable		
Special Fire Fighting Procedures:	Not applicable		
Unusual Fire and Explosion Hazards:	None known		

REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerization:	Will not occur.
Incompatibility:	None known; see special handling and storage instructions		
Decomposition Products:	If heated to decomposition, can yield CO _x , NO _x , HCN, HCl, and/or HF		
Conditions to Avoid:	See handling and storage requirements.		

HEALTH HAZARD DATA

Known Hazards:	None known	Routes of Exposure:	None expected
Signs and Symptoms of Exposure:	None expected		
Carcinogenicity:	No ingredients are classified as a carcinogen by IARC, NTP or OSHA.		
Medical Conditions Aggravated by Exposure:	None known		

EMERGENCY AND FIRST AID PROCEDURES

Skin:	No effects expected	Inhalation:	Not a route of exposure
Eyes:	No effects expected.		
Ingestion:	Not a likely route of exposure		
Other:	Referral to a physician is recommended if there is any question about the seriousness of any injury/exposure.		

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:	General (natural or mechanically induced fresh air movements).
Eye Protection:	As appropriate for the work area or the work being done.
Skin Protection:	Not required.
Respiratory Protection:	Not applicable.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	For industrial use only. Keep out of reach of children. Observe good hygiene practices; i.e. wash after using and before eating or smoking. Store in a cool dry area out of direct sunlight. Storage above 140 F may degrade product.
Spill Procedures:	Not applicable

REGULATORY INFORMATION

Hazard Communication:	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard. 29 CFR 1910.1200.
HMIS Codes:	Health 0, Flammability 0, Reactivity 0, PPE A
DOT Shipping Name:	Not regulated.
IATA / ICAO Shipping Name:	Not regulated.
TSCA Inventory Status:	Chemical components listed on TSCA inventory.
SARA Title III, Section 313:	This product is classified as an "article" and is not subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
EPA Waste Code(s):	Not regulated by EPA as a hazardous waste
Waste Disposal Methods:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

CONTACTS

Customer Service:	1 800 879 8000	Technical Service:	1 800 879 8000
Health / Safety:	1 800 879 6000	Jerry Metcalf	(x6704)
Emergency # (Chem-Trec):	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)		

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MSDS No.: 259
Revision No.: 010
Revision Date: 08/17/04
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MATERIAL SAFETY DATA SHEET

Product name: FS-ONE High Performance Intumescent Firestop Sealant
Description: One-part acrylic-based sealant
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)

INGREDIENTS AND EXPOSURE LIMITS

Ingredients:	CAS Number:	PEL:	TLV:	STEL:
Polyacrylate dispersion	Mixture	NE	NE	NE
Calcium carbonate	001317-65-3	5 mg/m ³ (T)	10 mg/m ³ (T)	NE
Zinc borate	138265-88-0	NE	NE	NE
Ammonium polyphosphate	068333-79-9	NE	NE	NE
Talc	014807-96-6	20 mppcf	2 mg/m ³	NE
Expandable graphite	012777-87-6	5 mg/m ³ (T)	2 mg/m ³ (T)	NE
Ethylene glycol	000107-21-1	NE	C:100 mg/m ³ (A)	NE
Polybutene	009003-29-6	NE	NE	NE
Iron oxide	001309-37-1	10 mg/m ³	5 mg/m ³	NE
Glass filament	065997-17-3	NE	5 mg/m ³ (T)	NE
Silicon dioxide	014808-60-7	0.05 mg/m ³ (T)	0.1 mg/m ³ (T)	NE
Water	007732-18-5	NE	NE	NE

Abbreviations: PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. C = Ceiling. STEL = Short Term Exposure Limit. NE = None Established. NA = Not Applicable. (T) indicates "as total dust". (R) indicates "as respirable fraction". (A) indicates "as an aerosol". mppcf = million particles per cubic foot.

PHYSICAL DATA

Appearance:	Red paste.	Odor:	Odorless.
Vapor Density: (air = 1)	Not determined.	Vapor Pressure:	23mbar @ 20C / 68F
Boiling Point:	Not applicable.	VOC Content:	75.0 g/L.
Evaporation Rate:	Not applicable.	Solubility in Water:	Soluble.
Specific Gravity:	1.5	pH:	Not determined.

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Non-flammable.	Flammable Limits:	Not applicable.
Extinguishing Media:	Not applicable. Use extinguishing media as appropriate for surrounding fire.		
Special Fire Fighting Procedures:	None known. Use a self-contained breathing apparatus when fighting fires involving chemicals.		
Unusual Fire and Explosion Hazards:	None known. Thermal decomposition products can be formed such as oxides of carbon, sulfur and phosphorous.		

REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerization:	Will not occur.
Incompatibility:	Strong acids, peroxides, and oxidizing agents.		
Decomposition Products:	Thermal decomposition can yield CO and CO ₂ .		
Conditions to Avoid:	None known.		

HEALTH HAZARD DATA

Known Hazards:	None known.
Signs and Symptoms of Exposure:	Possibly irritating upon contact with the eyes or upon repeated contact with the skin.
Medical Conditions Aggravated by Exposure:	Eye and skin conditions.
Routes of Exposure:	Dermal.

Carcinogenicity:	IARC classifies crystalline silica (quartz sand) as Group I based upon evidence among workers in industries where there has been long-term and chronic exposure (via inhalation) to silica dust; e.g. mining, quarry, stone crushing, refractory brick and pottery workers. This product does not pose a dust hazard; therefore, this classification is not relevant. Based upon the nature and intended use of this product, it does not pose an increased cancer risk to workers.
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EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Immediately flush with plenty of water. Call a physician if symptoms occur.
Skin:	Immediately wipe off material and wash with soap and water. Material can adhere to the skin. If material has adhered to the skin, use an abrasive containing hand cleaner. If material does not come off, buff with a pumice stone.
Inhalation:	Move victim to fresh air if discomfort develops. Call a physician if symptoms persist.
Ingestion:	Seek medical attention. Do not induce vomiting unless directed by a physician. If a large quantity was ingested, give 1 to 2 glasses of water to dilute. <u>Never</u> give anything by mouth to an unconscious person.
Other:	Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:	General (natural or mechanically induced fresh air movements).
Eye Protection:	Not required, however, safety glasses should be worn in most industrial settings.
Skin Protection:	Avoid skin contact. Cloth gloves are suitable for hand protection.
Respiratory Protection:	None normally required. Where ventilation is inadequate to control vapors, use a NIOSH-approved respirator with organic vapor cartridges. Never enter a confined space without an appropriate air-supplied respirator.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Store in a cool, dry area preferably between 40° and 77° F. Keep from freezing. Do not store in direct sunlight. Avoid contact with the eyes or skin. Practice good hygiene; i.e. always wash thoroughly after handling and before eating or smoking. For industrial use only. Keep out of reach of children. Follow label/use instructions.
Spill Procedures:	Immediately wipe away spilled material before it hardens. Place in a container for proper disposal in accordance with all applicable local, state, or federal requirements.

REGULATORY INFORMATION

Hazard Communication:	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
HMIS Codes:	Health 1, Flammability 0, Reactivity 0, PPE B
DOT Shipping Name:	Not regulated.
IATA / ICAO Shipping Name:	Not regulated.
TSCA Inventory Status:	Chemical components listed on TSCA inventory.
SARA Title III, Section 313:	This product contains < 3% ethylene glycol (CAS 107-21-1) and < 15% zinc borate (re: zinc compounds) which are subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
EPA Waste Code(s):	Not regulated by EPA as a hazardous waste.
Waste Disposal Methods:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

CONTACTS

Customer Service:	1 800 879 8000	Technical Service:	1 800 879 8000
Health / Safety:	1 800 879 6000	Jerry Metcalf	(x6704)
Emergency # (Chem-Trec):	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)		

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MSDS No.: 270
Revision No.: 004
Revision Date: 10/11/05
Page: 1 of 2

MATERIAL SAFETY DATA SHEET

Product name: Mineral wool
Description: Synthetic vitreous fiber
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)

INGREDIENTS AND EXPOSURE LIMITS

Ingredients:	CAS Number:	PEL:	TLV:	STEL:
Slag wool fiber	65997-17-3	NE	1 fiber / cc	NE
Phenolic resin	09003-35-4	NE	NE	NE
Polyvinyl alcohol	09002-89-5	NE	NE	NE

Abbreviations: PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. STEL = Short Term Exposure Limit. NE = None Established. NA = Not Applicable.

PHYSICAL DATA

Appearance:	2' x 4' x 4" sheets.	Odor:	Negligible.
Boiling Point:	Not applicable.	Vapor Pressure:	Not applicable.
Melting Point:	Approx. 2400° F	VOC Content:	< 1% w/w
Evaporation Rate:	Not applicable.	Solubility in Water:	Insoluble.
pH:	Not applicable.	Specific Gravity:	Not determined.

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not applicable.	Flammable Limits:	Not applicable.
Extinguishing Media:	As appropriate for surrounding fire; material does not burn.		
Special Fire Fighting Procedures:	Soak cartons to help prevent the spread of fire. Use a self-contained breathing apparatus when fighting fires involving chemicals.		
Unusual Fire and Explosion Hazards:	None known.		

REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerization:	Will not occur.
Incompatibility:	Strong acids.		
Hazardous Decomposition Products:	Thermal decomposition products can be formed at temperatures exceeding 2000° F. Thermal decomposition can yield CO and CO ₂ .		
Conditions to Avoid:	None known.		

HEALTH HAZARD DATA

Known Hazards:	Acute: Eye, skin and respiratory irritation. Chronic: Respiratory impairment.
Routes of Exposure:	Inhalation, Dermal.
Signs and Symptoms of Exposure:	Eyes: Mechanical irritation. Skin: Itching, irritation. Inhalation: Nose, throat and upper respiratory tract irritation.
Carcinogenicity:	Slag wool has been classified by the IARC as Group 3 – Unclassifiable as to Carcinogenicity in Humans.
Medical Conditions Aggravated by Exposure:	Eye, skin, and respiratory conditions.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Flush with plenty of water while holding eyelids apart. Avoid rubbing the eyes as mechanical abrasions can occur. Call a physician if symptoms persist.
Skin:	Wash with soap and water. Launder clothing before reuse.
Inhalation:	Move to fresh air.
Ingestion:	No ill effects expected.
Other:	Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:	General (natural or mechanically induced fresh air movements).
Eye Protection:	Safety goggles recommended to prevent particulates from irritating the eyes.
Skin Protection:	Cloth gloves and long sleeves to protect skin from irritating fibers.
Respiratory Protection:	Use local exhaust and/or a NIOSH-approved dust respirator when air movement is inadequate to control dusts / fibers below recommended exposure levels.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Avoid generating dusts. Local exhaust may be required to control dusts if power tools are used for cutting / trimming. Wear appropriate personal protective equipment. Store away from moisture; keep dry.
Spill Procedures:	Not applicable.

REGULATORY INFORMATION

Hazard Communication:	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
HMIS Codes:	Health 1, Flammability 0, Reactivity 0, PPE B (Gloves, Goggles)
DOT Shipping Name:	Not regulated.
IATA / ICAO Shipping Name:	Not regulated.
TSCA Inventory Status:	Chemical components listed on TSCA inventory.
SARA Title III, Section 313:	This product does not contain any toxic chemicals which are subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
EPA Waste Code(s):	Not regulated by EPA as a hazardous waste.
Waste Disposal Methods:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

CONTACTS

Customer Service:	1 800 879 8000	Technical Service:	1 800 879 8000
Health / Safety:	1 800 879 6000	Jerry Metcalf	(x6704)
Emergency # (Chem-Trec):	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)		

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MSDS No.: 320
Revision No.: 002
Revision Date: 04/09/08
Page: 1 of 2

MATERIAL SAFETY DATA SHEET

Product name: CP 617 Firestop Putty Pad, CP 618 Firestop Putty Stick, CP 619T Firestop Putty Roll
Description: Firestopping putty
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)

For: AIM SYSTEMS
31805 8 Mile Rd
Livonia, MI 48152-4216

INGREDIENTS AND EXPOSURE LIMITS

Ingredients:	CAS Number:	TLV:	PEL:	STEL:
Calcium carbonate	1317-65-3	NE	5 mg/m ³ (R)	NE
Talc	14807-96-6	2 mg/m ³	20 mppcf	NE
Silica	14808-60-7	0.025 mg/m ³ (R)	30 mg/m ³ (R) %SiO ₂ + 5	NE
Boron oxide	1303-86-2	10 mg/m ³	15 mg/m ³ (T)	NE
Iron oxide	1309-37-1	5 mg/m ³ (R)	10 mg/m ³ (f)	NE

Abbreviations: PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. STEL = Short Term Exposure Limit. NE = None Established. R = Respirable dust. mppcf = million particles per cubic foot. T = Total dust. F = as fume.

PHYSICAL DATA

Appearance:	Red colored putty	Odor:	Negligible
Vapor Density: (air = 1)	Not applicable	Vapor Pressure:	Not applicable
Boiling Point:	Not applicable	VOC Content:	Not determined
Evaporation Rate:	Not applicable	Solubility in Water:	Slightly soluble
Specific Gravity:	1.45	pH:	Not determined

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not applicable	Flammable Limits:	Not applicable
Extinguishing Media:	Water, CO ₂ , Dry Chemical, Foam		
Special Fire Fighting Procedures:	A NIOSH-approved self-contained breathing apparatus (SCBA) should be worn when fighting fires involving chemical products.		
Unusual Fire and Explosion Hazards:	Fire conditions will activate product causing it to intumesce.		

REACTIVITY DATA

Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Incompatibility:	None known.
Decomposition Products:	Thermal decomposition can yield CO and CO ₂ .
Conditions to Avoid:	Avoid temperature extremes that could shorten the shelf-life or affect product performance (See handling and storage requirements).

HEALTH HAZARD DATA

Known Hazards:	Irritation of the eyes and skin is possible.
Signs and Symptoms of Exposure:	Eyes - Can cause irritation and watering but injury is unlikely. Skin - May cause irritation. Inhalation - No effects expected. Not considered to be a route of exposure. Ingestion - Not known.

Routes of Exposure:	Contact
Carcinogenicity:	IARC classifies crystalline silica as a Group I carcinogen based upon evidence among workers in industries where there has been long term and chronic exposure (via inhalation) to silica dust; e.g. mining, quarry, stone crushing, refractory brick and pottery. This product does not pose a dust hazard; therefore, this classification is not relevant.
Medical Conditions Aggravated by Exposure:	None known.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Flush with plenty of water. Contact a physician if symptoms occur.
Skin:	Wash with soap and water. Contact a physician if symptoms occur.
Inhalation:	No effects expected.
Ingestion:	Do not induce vomiting unless directed by a physician. Contact a physician immediately.
Other:	Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:	General (natural or mechanically induced fresh air movements).
Eye Protection:	Safety glasses with side shields.
Skin Protection:	Impermeable gloves recommended.
Respiratory Protection:	Not required.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Store in a cool, dry area preferably between 41° and 77° F. For industrial use only. Keep out of reach of children. Avoid prolonged or repeated contact with the skin. Do not rub the eyes after contact with the hands. Practice good hygiene; i.e. wash after using and before eating or smoking.
Spill Procedures:	No special requirements.

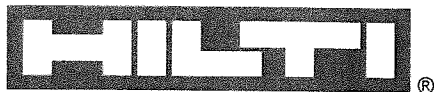
REGULATORY INFORMATION

Hazard Communication:	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard. 29 CFR 1910.1200.
HMIS Codes:	Health 1, Flammability 0, Reactivity 0, PPE B
DOT Shipping Name:	Not regulated.
IATA / ICAO Shipping Name:	Not regulated.
TSCA Inventory Status:	Chemical components listed on TSCA inventory.
SARA Title III, Section 313:	This product does not contain any ingredients that are subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
EPA Waste Code(s):	Not regulated by EPA as a hazardous waste
Waste Disposal Methods:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

CONTACTS

Customer Service:	1 800 879 8000	Technical Service:	1 800 879 8000
Health / Safety:	1 800 879 6000	Jerry Metcalf	(x6704)
Emergency # (Chem-Trec):	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)		

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MSDS No.: 285
Revision No.: 003
Revision Date: 10/12/05
Page: 1 of 2

MATERIAL SAFETY DATA SHEET

Product name: CP 777 Speed Plugs
Description: 1.5", 2" or 3" x 36" deck plugs; Mineral wool, rock wool, synthetic vitreous fiber
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)

INGREDIENTS AND EXPOSURE LIMITS

Ingredients:	CAS Number:	PEL:	TLV:	STEL:
Synthetic vitreous fiber	NE	NE	1 fiber / cc	NE
Phenolic resin	25104-55-6	NE	NE	NE
Lubricant	08012-95-1	NE	NE	NE

Abbreviations: PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. STEL = Short Term Exposure Limit. NE = None Established. NA = Not Applicable.

PHYSICAL DATA

Appearance:	Fibrous yellow plugs.	Odor:	None.
Boiling Point:	Not applicable.	Vapor Pressure:	Not applicable.
Melting Point:	Approx. 2000° F	VOC Content:	<1% w/w
Evaporation Rate:	Not applicable.	Solubility in Water:	Insoluble.
pH:	Not applicable.	Specific Gravity:	Not determined.

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not applicable.	Flammable Limits:	Not applicable.
Extinguishing Media:	As appropriate for surrounding fire; material does not burn.		
Special Fire Fighting Procedures:	Soak cartons to help prevent the spread of fire. Use a self-contained breathing apparatus when fighting fires involving chemicals.		
Unusual Fire and Explosion Hazards:	None known.		

REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerization:	Will not occur.
Incompatibility:	Strong acids.		
Hazardous Decomposition Products:	Thermal decomposition products can be formed at temperatures exceeding 2000° F. Thermal decomposition can yield CO and CO ₂ .		
Conditions to Avoid:	None known.		

HEALTH HAZARD DATA

Known Hazards:	Acute: Eye, skin and respiratory irritation. Chronic: Respiratory impairment.
Routes of Exposure:	Inhalation, Dermal.
Signs and Symptoms of Exposure:	Eyes: Mechanical irritation. Skin: Itching, irritation. Inhalation: Nose, throat and upper respiratory tract irritation.
Carcinogenicity:	Rock wool and slag wool have been classified by the IARC as Group 2B (animal) carcinogens. Studies of workers at slag wool plants were inconclusive. Recent animal studies show that any changes associated with long-term inhalation of high concentrations of slag wool are reversible (i.e. non-carcinogenic).
Medical Conditions Aggravated by Exposure:	Eye, skin, and respiratory conditions.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Flush with plenty of water while holding eyelids apart. Avoid rubbing the eyes as mechanical abrasions can occur. Call a physician if symptoms persist.
Skin:	Wash with soap and water. Launder clothing before reuse.
Inhalation:	Move to fresh air.
Ingestion:	No ill effects expected.
Other:	Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:	General (natural or mechanically induced fresh air movements).
Eye Protection:	Safety goggles recommended to prevent fibers from irritating the eyes.
Skin Protection:	Cloth gloves and long sleeves to protect skin from irritating fibers.
Respiratory Protection:	Use local exhaust and/or a NIOSH-approved dust respirator when air movement is inadequate to control dusts / fibers below recommended exposure levels.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Avoid generating dusts / fibers. Wear appropriate personal protective equipment. Store away from moisture; keep dry.
Spill Procedures:	Not applicable.

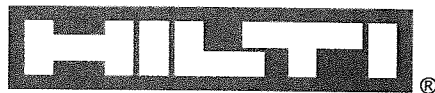
REGULATORY INFORMATION

Hazard Communication:	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
HMIS Codes:	Health 1, Flammability 0, Reactivity 0, PPE B (Gloves, Goggles)
DOT Shipping Name:	Not regulated.
IATA / ICAO Shipping Name:	Not regulated.
TSCA Inventory Status:	Chemical components listed on TSCA inventory.
SARA Title III, Section 313:	This product does not contain any toxic chemicals which are subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
EPA Waste Code(s):	Not regulated by EPA as a hazardous waste.
Waste Disposal Methods:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

CONTACTS

Customer Service:	1 800 879 8000	Technical Service:	1 800 879 8000
Health / Safety:	1 800 879 6000	Jerry Metcalf	(x6704)
Emergency # (Chem-Trec):	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (Other countries)		

The information and recommendations contained herein are based upon data believed to be correct; however, no guarantee or warranty of any kind expressed or implied is made with respect to the information provided.



MSDS No.: 268
Revision No.: 008
Revision Date: 01/24/07
Page: 1 of 2

MATERIAL SAFETY DATA SHEET

Product name: CP 672 Speed Spray
Description: Fire rated mastic for construction joints
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)

INGREDIENTS AND EXPOSURE LIMITS

Ingredients:	CAS Number:	TLV: mg/m ³	PEL: mg/m ³	STEL: mg/m ³
Acrylic polymer	Mixture	NE	NE	NE
Aluminum hydroxide	21645-51-2	NE	NE	NE
Calcium carbonate	01317-65-3	10	15 (T); 5 (R)	NE
Calcined kaolin	66402-68-4	NA	NA	NE
Diisononyl phthalate	68515-48-0	NE	NE	NE
Ethylene glycol	00107-21-1	NE	NE	C: 100
Iron oxide	01309-37-1	5	10	NE
Zinc borate	138265-88-0	NE	NE	NE

Abbreviations: PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. STEL = Short Term Exposure Limit. C = Ceiling. NE = None Established. NA = Not Applicable.

PHYSICAL DATA

Appearance:	Red sprayable paste	Odor:	Mild odor
Vapor Density: (air = 1)	Not applicable	Vapor Pressure:	Not determined
Boiling Point:	Not determined	VOC Content:	0.0 g/L
Evaporation Rate:	Not determined	Solubility in Water:	Soluble
Specific Gravity:	1.3	pH:	8.5 - 9.5

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	None	Flammable Limits:	Not applicable
Extinguishing Media:	As appropriate for surrounding fire (e.g. Water, Carbon Dioxide, Dry Chemical, Foam)		
Special Fire Fighting Procedures:	Wear full protective clothing. A NIOSH-approved self-contained breathing apparatus (SCBA) should be worn when fighting fires involving chemicals.		
Unusual Fire and Explosion Hazards:	None known. Thermal decomposition products such as oxides of carbon and nitrogen can be produced under fire conditions. See below.		

REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerization:	Will not occur.
Incompatibility:	Metal salts will coagulate this product		
Decomposition Products:	Thermal decomposition can yield oxides of carbon and nitrogen.		
Conditions to Avoid:	Avoid temperature extremes which could shorten the shelf-life of this product; i.e. below 40° and above 77° F. (See handling and storage requirements).		

HEALTH HAZARD DATA

Known Hazards:	Acute: No effects expected; irritation is possible. Chronic: None known
Signs and Symptoms of Exposure:	Eyes: Can cause irritation or watering but injury is unlikely. Skin: Irritation is possible with some individuals. Inhalation: No effects expected. Ingestion: Effects of ingestion have not been determined. Considered to have a low acute oral toxicity.
Routes of Exposure:	Contact.
Carcinogenicity:	No ingredients are classified as a carcinogen by IARC, NTP or OSHA.
Medical Conditions Aggravated by Exposure:	None known

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Immediately flush with plenty of water. Call a physician if symptoms occur.
Skin:	Wash with soap and water. Seek medical attention if any effects persist.
Inhalation:	No ill effects expected. Should discomfort occur, move to fresh air.
Ingestion:	Do not induce vomiting unless large amounts are ingested. If conscious, give plenty of water to drink. <u>Never</u> give anything by mouth to an unconscious person. Contact a physician immediately.
Other:	Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:	General (natural or mechanically induced fresh air movements).
Eye Protection:	While spraying, chemical goggles are recommended. As a minimum, wear safety glasses with side shields.
Skin Protection:	Cloth gloves are suitable; impermeable (neoprene or rubber) gloves recommended.
Respiratory Protection:	None normally required.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Store in a cool dry area. Keep from freezing. Store between 40° and 77° F. For industrial use only. Keep out of reach of children. Use with adequate ventilation. Keep container closed when not in use. Do not get into the eyes. Avoid prolonged or repeated contact with the skin. Practice good hygiene; i.e. wash after using and before eating or smoking.
Spill Procedures:	Wipe away spilled material before it hardens. Place in a container for proper disposal in accordance with all applicable local, state, or federal requirements.

REGULATORY INFORMATION

Hazard Communication:	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard. 29 CFR 1910.1200.
HMIS Codes:	Health 1, Flammability 0, Reactivity 0, PPE B (Glasses, Gloves)
DOT Shipping Name:	Not regulated.
IATA / ICAO Shipping Name:	Not regulated.
TSCA Inventory Status:	Chemical components listed on TSCA inventory.
SARA Title III, Section 313:	This product contains 1 – 2.5% ethylene glycol (CAS 107-21-1) which is subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
EPA Waste Code(s):	Not regulated by EPA as a hazardous waste
Waste Disposal Methods:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

CONTACTS

Customer Service:	1 800 879 8000	Technical Service:	1 800 879 8000
Health / Safety:	1 800 879 6000	Jerry Metcalf	(x6704)
Emergency # (Chem-Trec):	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)		

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Hilti (Canada) Limited

MSDS No.: 165C
Revision No.: 003
Prep. Date: 2 April, 2001
Page: 1 of 2

MATERIAL SAFETY DATA SHEET

Product identifier: CA 3400 Heavy Duty Subfloor Adhesive
Product use: Construction adhesive for bonding to most common building materials
Supplier: Hilti (Canada) Limited, 6790 Century Avenue, Suite #300, Mississauga, Ontario L5N 2V8
Originator: Hilti, Inc., P. O. Box 21148, Tulsa, Oklahoma, USA 74121
Emergency number: Chem-Trec: 1 800 424 9300

INGREDIENTS INFORMATION

Ingredient	CAS Number	% (wt.)	LC ₅₀ , (rat)	LD ₅₀ (rat)	TLV	STEL
Clay	01332-58-7	15 – 25	N/Av	N/Av	N/A	N/E
Toluene	00108-88-3	15 – 20	49 g/m ³ /4H	636 mg/kg	50 ppm (Skin)	N/E
Calcium carbonate	00471-34-1	10 – 20	N/Av	N/Av	N/A	N/E
Styrene-butadiene rubber	09003-55-8	10 – 20	N/Av	N/Av	N/E	N/E
C-9 hydrocarbon resin	68131-89-5	10 – 20	N/Av	N/Av	N/E	N/E
Hexane	00110-54-3	12 – 20	48,000 ppm/4H	28,710 mg/kg	50 ppm	N/E
Crystalline silica	14808-60-7	03 – 08	N/Av	N/Av	N/A	N/A
Magnesium aluminum silicate	12174-11-7	01 – 05	N/Av	N/Av	N/E	N/E

PHYSICAL PROPERTIES

Appearance / Physical state:	Viscous beige paste	Odour:	Mild aromatic odour.
Specific gravity (at 20°C):	1.2	Odour threshold:	Not determined.
Vapour pressure (at 20°C):	Not applicable.	Vapour density:	Not applicable.
Evaporation rate:	< 1	Boiling point:	69° C / 156° F
Freezing point:	Not determined.	pH:	Not determined.
Coefficient of H₂O / oil distrib:	Not determined.	Solubility in water:	Insoluble.

FIRE AND EXPLOSION DATA

Flash point / Method:	-17.8° C (0° F) / Setaflash	Flammable limits:	1.2 – 7.5%
Conditions of flammability:	Potential ignition sources.	Auto-ignition temperature:	Not applicable.
Means of extinction:	Water, CO ₂ , Dry Chemical, Foam.		
Special fire fighting procedures:	None known. A NIOSH-approved self-contained breathing apparatus (SCBA) should be worn when fighting fires involving chemicals.		
Hazardous combustion products:	None known. Normal products of combustion are expected including CO, CO ₂ and irritating smoke.		
Sensitivity to mechanical impact / static discharge:	Accumulation of solvent vapors can be susceptible to static discharge.		

REACTIVITY DATA

Conditions of reactivity:	None known.	Stability:	Stable.
Incompatible materials:	Does not mix well with water.		
Hazardous decomposition products:	None known.		

TOXICOLOGICAL PROPERTIES

Likely routes of exposure:	<input type="checkbox"/> None known <input checked="" type="checkbox"/> Skin contact <input type="checkbox"/> Skin absorption <input checked="" type="checkbox"/> Eye contact <input checked="" type="checkbox"/> Inhalation
Acute effects of exposure:	Eyes: Can cause irritation but injury is unlikely. Skin: No effects expected. Irritation is possible with some individuals. Inhalation: High vapor concentrations can have an anesthetic effect if inhaled (e.g. headaches, nausea, dizziness). Ingestion: Not considered a route of exposure. Effects of ingestion have not been determined.

Chronic effects of exposure:	Chronic inhalation of vapors including intentional abuse can lead to damage to the brain, nervous system, liver and kidneys. Contains crystalline silica (sand) which is classified by IARC as Group 1 based upon chronic exposure to silica dust. This product does not pose a dust hazard; therefore this classification is not relevant.
Synergistic materials:	None known.

FIRST AID MEASURES

Eyes:	Flush with plenty of water. Call a physician if symptoms occur.
Skin:	Wash with soap and water. Seek medical attention if any effects persist.
Inhalation:	Move victim to fresh air. Call a physician if symptoms persist.
Ingestion:	Seek medical attention. Do not induce vomiting unless directed by a physician.
Other:	Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Engineering controls:	General (natural or mechanically induced fresh air movements).
Eye protection:	As appropriate for the work area or other work being done.
Skin protection:	Cloth gloves are suitable.
Respiratory protection:	None normally required. Where ventilation is inadequate to control vapors, use a NIOSH-approved respirator with organic vapor cartridges. Never enter a confined space without an appropriate air-supplied respirator.
Other:	No additional measures are normally required.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling procedures and equipment:	For industrial use only. Use with adequate ventilation. Do not get into the eyes. Avoid prolonged or repeated contact with the skin. Practice good hygiene; i.e., wash after using and before eating or smoking.
Storage requirements:	Keep out of reach of children. Store in a cool dry area. Store between 5° and 32° C.
Spill, leak or release:	Immediately wipe away spilled material before it hardens. Place in a container for proper disposal.
Waste disposal:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, provincial, and federal safety, health and environmental regulations.
Special shipping instructions:	According to TDG shipping regulations. See below.

REGULATORY INFORMATION

WHMIS classification:	B2, D2A, D2B
HMIS codes:	Health 2, Flammability 3, Reactivity 0, PPE B
TDG shipping name:	Adhesives, Class 3, UN1133, PG II

PREPARATION INFORMATION / CONTACTS

Prepared by:	Hilti, Inc., Tulsa, OK USA	Emergency phone number:	1 800 424 9300
Customer Service:	Hilti (Canada) Limited, Mississauga, Ontario; 1 800 363 4458		
Health / Safety contacts:	Hilti, Inc., Tulsa, OK USA; 1 800 879 6000 Steve Gerrard (x6309), Jerry Metcalf (x6704)		
Abbreviations used:	N/E = None Established. N/A = Not Applicable. N/Av = Not Available. H = Hours. S = Skin; i.e. exposure should be controlled for the cutaneous routes including the mucous membranes, eyes, and skin. IARC = International Agency for Research on Cancer. HMIS : Hazardous Materials Identification System. TDG = Transportation of Dangerous Goods (Act and Regulations).		

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