



MATERIAL SAFETY DATA SHEET

Product name: Quick Set Epoxy
Description: Part A: Epoxy resin
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:
Epoxy resin	025068-38-6	NE	NE	NE
Fumed silica	112945-52-5	NE	NE	NE
Benzyl alcohol	000100-51-6	NE	NE	NE
Pigment	Not Identified	NA	NA	NA

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 paste	Odor:	Mild odor
Vapor Density: (air = 1)	Not determined	Vapor Pressure:	Not determined
Boiling Point:	200° - 401° F	VOC Content:	0 g/l
Evaporation Rate:	Not applicable	Solubility in Water:	Insoluble
Specific Gravity:	1.3	pH:	Not determined

FIRE AND EXPLOSION HAZARD DATA

Flash Point / Method:	> 200° F / Setaflash	Flammable Limits:	Not determined
Extinguishing Media:	CO ₂ , Dry Chemical, Foam, Water		
Special Fire Fighting Procedures:	A self-contained breathing apparatus should be worn when fighting fires involving chemicals.		
Unusual Fire and Explosion Hazards:	None known. Thermal decomposition products can be formed. See below.		

REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerization:	Will not occur.
Incompatibility:	Strong oxidizers, acids and bases.		
Decomposition Products:	Thermal decomposition can yield CO, CO ₂ and aldehydes.		
Conditions to Avoid:	Excessive heat for prolonged periods of time.		

HEALTH HAZARD DATA

Known Hazards:	Acute: Eye and skin irritation. Chronic: Sensitization.		
Signs and Symptoms of Exposure:	Eyes: Can cause irritation. Corneal injury is not likely. Skin: Can cause irritation. Can cause allergic skin reactions (e.g. rash, redness, itching) with susceptible individuals. Inhalation: exposure to high vapor concentrations or to heated vapors can cause irritation. Ingestion: Can cause nausea.		
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 plenty of water. Call a physician if symptoms occur.
Skin:	Wash with soap and water. Launder contaminated clothing before reuse. Call a physician if symptoms persist.
Inhalation:	Move victim to fresh air. Call a physician if symptoms persist.
Ingestion:	If large quantities are ingested, induce vomiting. Seek medical attention.
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:	Splash-proof chemical goggles recommended while mixing. (Part B is corrosive)
Skin Protection:	Impermeable gloves (neoprene or rubber).
Respiratory Protection:	None normally required. Use a NIOSH-approved organic vapor cartridge respirator when air movement is inadequate to control vapors. Never enter a confined space without an appropriate air-supplied respirator such as a SCBA or air-line with escape pack.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Use with adequate ventilation. Store in a cool dry place.
Spill Procedures:	Remove spillage with an absorbent material.

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 1, Reactivity 0, PPE B (Goggles, Gloves)
DOT Shipping Name:	Part A, by itself, is not regulated. (See Part B, page 4)
IATA/ICAO Shipping Name:	Part A, by itself, is not regulated. (See Part B, page 4)
TSCA Inventory Status:	Chemical components listed on TSCA inventory.
SARA Title III, Section 313:	This product does not contain any ingredients 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.

Quick Set Epoxy

DESCRIPTION: Part B: Hardener for epoxy resin

INGREDIENTS AND EXPOSURE LIMITS

Ingredients:	CAS Number:	TLV:	PEL:	STEL:
Mercaptan terminated polymer	Not Identified	NE	NE	NE
Dimethylaminomethylphenol	025338-55-0	NE	NE	NE
Fumed silica	112945-52-5	NA	NE	NE
Carbon black	001333-86-4	NA	NA	NA
2,4,6-Tris(dimethylaminomethyl) phenol	000090-72-2	5 ppm *	NE	NE
Fragrance	Not Identified	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. * indicates supplier's recommended TLV.

PHYSICAL DATA

Appearance:	Grey paste	Odor:	Sweet sulfur odor
Boiling Point:	200° F	Vapor Pressure:	Not determined
Vapor Density:	Not determined	VOC Content:	0 g/l
Evaporation Rate:	Not applicable	Solubility in Water:	Negligible
Specific Gravity:	1.2	pH:	Not determined

FIRE AND EXPLOSION HAZARD DATA

Flash Point / Method:	> 200° F / Setflash	Flammable Limits:	Not applicable
Extinguishing Media:	CO ₂ , Dry Chemical, Foam, Water		
Special Fire Fighting Procedures:	A self-contained breathing apparatus should be worn when fighting fires involving chemicals.		
Unusual Fire and Explosion Hazards:	None known. Thermal decomposition products can be formed. See below.		

REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerization:	Will not occur
Incompatibility:	Strong acids, peroxides and other oxidizing agents		
Hazardous Decomposition Products:	Thermal decomposition can yield CO, CO ₂ , NO _x , SO _x , H ₂ S.		
Conditions to Avoid:	Excessive heat for prolonged periods of time.		

HEALTH HAZARD DATA

Known Hazards:	Corrosive
Signs and Symptoms of Exposure:	Eyes: Will cause eye burns. High vapor concentrations can cause severe irritation. Skin: Will cause skin burns. Inhalation: High concentrations of vapor can cause irritation to the respiratory tract, nausea, and dizziness. Ingestion: Can cause severe damage (burns).
Carcinogenicity:	Carbon black has been rated by IARC as a Group 2B carcinogen based upon inhalation of respirable (< 10 μm) carbon black in the production, rubber, paint and printing industries. The overall rating of 2B indicates that there was inadequate evidence for carcinogenicity in humans and adequate evidence in lab animals. This product does not pose a dust hazard; therefore, the risk of cancer due to inhalation of carbon black is not relevant.
Routes of Exposure:	Dermal. Inhalation.

**Medical Conditions
Aggravated by Exposure:**

Eye, skin, and respiratory conditions.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Immediately flush with plenty of water for at least 15 minutes. Call a physician.
Skin:	Wash immediately with soap and water. Launder contaminated clothing. Call a physician if symptoms persist.
Inhalation:	Move victim to fresh air. Give oxygen and/or artificial respiration if needed. Call a physician.
Ingestion:	Do not induce vomiting unless directed by a physician. Give 1 – 2 cups of water to drink. NOTE: Never give anything by mouth to an unconscious person. Call 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:	Chemical goggles recommended while handling and/or while mixing with Part A.
Skin Protection:	Gloves (neoprene, nitrile-butadiene rubber or butyl rubber) recommended when handling / mixing.
Respiratory Protection:	None normally required. Use a NIOSH-approved organic vapor respirator when vapor concentrations exceed recommended exposure limits. Never enter a confined space without an appropriate air-supplied respirator (e.g., SCBA or air line with escape pack).

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Keep in a cool dry place out of direct rays of the sun. Store below 100° F. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Use with adequate ventilation. Wash thoroughly after handling.
Spill Procedures:	Cover with absorbent material and place in a salvage container for proper disposal.

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 3, Flammability 1, Reactivity 0, PPE B
DOT Shipping Name:	Consumer Commodity ORM-D
IATA / ICAO Shipping Name:	Corrosive liquid, n.o.s. (contains dimethylaminomethyl phenols), Class 8, UN 1760, PG III
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 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.