



**MATERIAL SAFETY DATA SHEET**

**Product name:** HIT HY 150  
**Description:** Methacrylate resin and hardener. Part A is in the large tube; Part B is in the small one  
**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:** MINNESOTA ELEVATOR INC P.O. No. 57962  
19336 607TH AVE  
MANKATO, MN 56001

**INGREDIENTS AND EXPOSURE LIMITS**

Ingredients:	CAS Number:	TLV: (mg/m <sup>3</sup> )	PEL: (mg/m <sup>3</sup> )	STEL:
<b>Part A:</b> Resin	19136100-5001p (NJ TSRN)	NE	NE	NE
Bonding agent	19136100-5003p (NJ TSRN)	NE	NE	NE
Quartz sand	14808-60-7	0.1 (R)	0.1 (R)	NE
Synthetic amorphous silica	67762-90-7	10	6	NE
<b>Part B:</b> Quartz sand	14808-60-7	0.1 (R)	0.1 (R)	NE
Water	07732-18-5	NE	NE	NE
Dibenzoyl peroxide	00094-36-0	5	5	NE
Dipropylene glycol	25265-71-8	NE	NE	NE
Amorphous silica	07631-86-9	10	6	NE
Polyethylene	09002-88-4	NE	NE	NE

NJ TSRN indicates New Jersey Trade Secret Registry Number. (R) indicates "as respirable dust". PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. These are 8-hour time-weighted averages. STEL = Short Term Exposure Limit (15 minute time-weighted average). NE = None Established.

**PHYSICAL DATA**

<b>Appearance:</b>	Gray paste	<b>Odor:</b>	Ester-like odor
<b>Vapor Density: (air = 1)</b>	Not determined	<b>Vapor Pressure:</b>	Not applicable
<b>Boiling Point:</b>	Approx. 212° F	<b>VOC Content:</b>	0 g/l
<b>Evaporation Rate:</b>	Not applicable	<b>Solubility in Water:</b>	Part A is insoluble
<b>Specific Gravity:</b>	1.7	<b>pH:</b>	5 (Part B)

**FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point:</b>	> 200° F	<b>MAY 10 2004</b>
<b>Flammable Limits:</b>	Not applicable	
<b>Extinguishing Media:</b>	CO <sub>2</sub> , Dry Chemical, Foam, Water	
<b>Special Fire Fighting Procedures:</b>	A self-contained breathing apparatus should be worn when fighting fires involving chemicals.	
<b>Unusual Fire and Explosion Hazards:</b>	None known. Thermal decomposition products can be formed.	

**REACTIVITY DATA**

<b>Stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Avoid temperature extremes which could shorten the shelf life of this product; i.e. below freezing and above 100° F. (See handling and storage requirements).
<b>Incompatibility:</b>	Strong acids and oxidizing agents.
<b>Decomposition Products:</b>	Thermal decomposition can yield CO, CO <sub>2</sub> , NO <sub>x</sub> , water.

## HEALTH HAZARD DATA

<b>Known Hazards:</b>	Eye and skin irritation. Possible sensitizer.
<b>Signs and Symptoms of Exposure:</b>	<b>Eyes:</b> can cause irritation. <b>Skin:</b> Prolonged and repeated contact can cause irritation. An allergic skin reaction (e.g. rash, itching, reddening) can occur with some individuals. <b>Inhalation:</b> Possible irritation. <b>Ingestion:</b> None expected. Effects have not been determined. Not considered to be a route of exposure.
<b>Routes of Exposure:</b>	Contact. Inhalation.
<b>Medical Conditions Aggravated by Exposure:</b>	Eye, skin, and respiratory expected.
<b>Carcinogenicity:</b>	IARC classifies crystalline silica (quartz sand) as a Gp 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 workers. This product does not pose a dust hazard; therefore, this classification is not relevant.

## EMERGENCY AND FIRST AID PROCEDURES

<b>Eyes:</b>	Flush with plenty of water. Call a physician if symptoms occur.
<b>Skin:</b>	Wash with soap and water.
<b>Inhalation:</b>	Move victim to fresh air. Call a physician if symptoms persist.
<b>Ingestion:</b>	Seek medical attention. Do not induce vomiting unless directed to by a physician. <u>Never</u> give anything by mouth to an unconscious person.
<b>Other:</b>	Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure

## CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

<b>Ventilation:</b>	General (natural or mechanically induced fresh air movements).
<b>Eye Protection:</b>	Not required, however, safety glasses should be worn in most industrial settings.
<b>Skin Protection:</b>	Cloth gloves are suitable; impermeable (neoprene or rubber) gloves recommended.
<b>Respiratory Protection:</b>	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. If dusts are generated during demolition or removal, wear an appropriate dust mask or respirator.

## PRECAUTIONS FOR SAFE HANDLING AND USE

<b>Handling and Storing Precautions:</b>	For industrial use only. Keep away from children. Store in a cool dry area. Store between 40° and 80° F. Use with adequate ventilation. Avoid prolonged or repeated contact. Practice good hygiene; i.e. wash after using and before eating or smoking.
<b>Spill Procedures:</b>	Take up with an absorbent material and place in a container for proper disposal.

## REGULATORY INFORMATION

<b>Hazard Communication:</b>	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard. 29 CFR 1910.1200.
<b>HMIS Codes:</b>	Health 1, Flammability 1, Reactivity 1, PPE B
<b>DOT Shipping Name:</b>	Not regulated.
<b>TSCA Inventory Status:</b>	Chemical components listed on TSCA inventory.
<b>SARA Title III, Section 313:</b>	This product contains 5 - 10% Benzoyl peroxide (CAS #94-36-0) which is subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
<b>EPA Waste Code(s):</b>	Not regulated by EPA as a hazardous waste
<b>Waste Disposal Methods:</b>	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

## CONTACTS

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

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