



MSDS No.: 259  
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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 <sup>3</sup> (R)	NE	NE
Zinc borate	138265-88-0	NE	NE	NE
Talc	014807-96-6	20 mppcf	2 mg/m <sup>3</sup> (R)	NE
Ethylene glycol	000107-21-1	NE	NE	C:100 mg/m <sup>3</sup> (A)
Iron oxide	001309-37-1	10 mg/m <sup>3</sup> (F)	5 mg/m <sup>3</sup> (R)	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. F = Fume

## PHYSICAL DATA

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

## FIRE AND EXPLOSION HAZARD DATA

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

## REACTIVITY DATA

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

## HEALTH HAZARD DATA

<b>Known Hazards:</b>	None known.		
<b>Signs and Symptoms of Exposure:</b>	Possibly irritating upon contact with the eyes or upon repeated contact with the skin.		
<b>Medical Conditions Aggravated by Exposure:</b>	Eye and skin conditions.		
<b>Routes of Exposure:</b>	Dermal.		
<b>Carcinogenicity:</b>	No ingredients are classified as carcinogens.		

## EMERGENCY AND FIRST AID PROCEDURES

<b>Eyes:</b>	Immediately flush with plenty of water. Contact a physician if symptoms occur.
<b>Skin:</b>	Immediately wipe off material and wash with soap and water. Contact a physician if symptoms occur.
<b>Inhalation:</b>	Move victim to fresh air if discomfort develops. Contact a physician if symptoms occur. persist.
<b>Ingestion:</b>	Seek medical attention. Do not induce vomiting unless directed by a physician.
<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>	Safety glasses with side shields.
<b>Skin Protection:</b>	Impermeable gloves. Other protective clothing as required to prevent skin contact.
<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.

## PRECAUTIONS FOR SAFE HANDLING AND USE

<b>Handling and Storing Precautions:</b>	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.
<b>Spill Procedures:</b>	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

<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 0, Reactivity 0, PPE B
<b>DOT Shipping Name:</b>	Not regulated.
<b>IATA / ICAO 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 < 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).
<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	(x71003704)
<b>Emergency # (Chem-Trec):</b>	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)		

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