

# SAFETY DATA SHEET

Date Prepared : 09/13/2017  
 MSDS No : SM5731  
 Date Revised : 09/13/2017  
 Revision No : 3

## PERMATHANE SM5731 Silicone Sealant

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** PERMATHANE SM5731 Silicone Sealant

#### MANUFACTURER

ITW Polymers Sealants North America  
 111 South Nursery Road  
 Irving, TX 75060

**Product Stewardship:** (972) 438-9111

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation): (800) 424-9300

**COMMENTS:** PERMATHANE is a registered trademark of Illinois Tool Works, Inc.

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Acute Toxicity (Dermal), Category 4  
 Serious Eye Damage, Category 1  
 Skin Sensitization, Category 1  
 Carcinogenicity, Category 2

#### GHS LABEL



Health  
hazard



Corrosion



Exclamation  
mark

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H312: Harmful in contact with skin.  
 H317: May cause an allergic skin reaction.  
 H318: Causes serious eye damage.  
 H351: Suspected of causing cancer.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

[201]: Obtain special instructions before use.  
 P202: Do not handle until all safety precautions have been read and understood.  
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### Response:

P302+P352: IF ON SKIN: Wash with plenty of water.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: Immediately call a POISON CENTER/doctor.

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P322: Specific measures are required.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P363: Wash contaminated clothing before reuse.  
 P370+P378: In case of fire: Use appropriate media to extinguish.

### Storage:

P403+P235: Store in a well-ventilated place. Keep cool.  
 P405: Store locked up.

### Disposal:

P501: Dispose of contents/container according to local, regional, national, and international regulations.

### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Viscous Liquid. Grey Sealant.

**IMMEDIATE CONCERNS:** CAUTION! May cause eye, skin, nose and throat irritation.

### POTENTIAL HEALTH EFFECTS

**EYES:** Contact may cause moderate eye irritation.

**SKIN:** Repeated or prolonged skin contact may result in allergic dermatitis. If product is hot, contact with the skin will result in thermal burns.

**INGESTION:** Not likely route of entry.

**INHALATION:** Not likely route of entry.

**ROUTES OF ENTRY:** Eye and skin contact. Inhalation and ingestion are unlikely routes of entry.

**IRRITANCY:** Eye and skin irritation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
2-butanone Oxime	< 2	96-29-7

### 4. FIRST AID MEASURES

**EYES:** Flush eye with tempered water for 15 minutes lifting upper and lower eye lids occasionally. If irritation persists, contact a physician.

**SKIN:** Remove contaminated clothing. Immediately wash exposed area with large amounts of water. If hot material adheres to the skin, do not attempt to peel off material. Cool the hot material with water and cover with a dry sterile dressing. Seek medical attention.

**INGESTION:** Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

**INHALATION:** Under normal conditions of use, inhalation of product is unlikely. If fumes are inhaled and become irritant, remove person from the area to fresh air. Seek immediate medical attention if exposure has occurred.

**NOTES TO PHYSICIAN:** Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** None

**GENERAL HAZARD:** Non Hazardous

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**EXTINGUISHING MEDIA:** Foam, dry chemical, carbon dioxide, or fine.

**EXPLOSION HAZARDS:** Low hazard

**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus with pressure-demand, full face piece SCBA (MSHA/NIOSH approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** This material is a solid product and release to the environment is highly unlikely. Containment is not necessary, this product will not flow. Use appropriate personal protective equipment (PPE) when handling product. Only employees properly trained should be part of any containment or spill response.

**LARGE SPILL:** Refer to release measures under small spill, large spills are to be handled in the same manner.

### 7. HANDLING AND STORAGE

**HANDLING:** Use good chemical handling procedures and practices. No special handling precautions are required.

**STORAGE:** Store at or under 80 degrees F. Do not stack cartons on end. Rotate stock.

**SHELF LIFE:** 9 months from manufacture date

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
2-butanone Oxime	OSHA PEL	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]

#### Footnotes:

1. NL = Not Listed

**ENGINEERING CONTROLS:** Natural ventilation should be adequate under normal conditions.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields.

**SKIN:** Wear chemical resistant, impervious gloves.

**RESPIRATORY:** No respiratory protection required under normal conditions.

**WORK HYGIENIC PRACTICES:** Use good hygiene practices when handling this material. Wash hands thoroughly after use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Paste

**ODOR:** Slight

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**ODOR THRESHOLD:** Not Determined  
**COLOR:** Various  
**pH:** 7.02  
**PERCENT VOLATILE:** 3.8  
**FLASHPOINT AND METHOD:** Not Applicable  
**FLAMMABLE LIMITS:** No data  
**AUTOIGNITION TEMPERATURE:** Not Applicable  
**VAPOR PRESSURE:** Not Determined  
**VAPOR DENSITY:** Not Determined  
**BOILING POINT:** Not Determined  
**FREEZING POINT:** Not Determined  
**MELTING POINT:** Not Determined  
**POUR POINT:** Not Determined  
**SOLUBILITY IN WATER:** Nonsoluble  
**PARTITION COEFFICIENT: N-OCTANOL/WATER:** Not Determined  
**EVAPORATION RATE:** Not Determined  
**DENSITY:** 8.67 lbs/gal  
**PARTICLE SIZE:** Not Determined  
**SPECIFIC GRAVITY:** 1.04  
**VISCOSITY:** Not Determined  
**MOLECULAR WEIGHT:** Not Determined  
**(VOC):** 4 gr/L EPA Method 24 VOC  
**OXIDIZING PROPERTIES:** Not Determined

### 10. STABILITY AND REACTIVITY

**REACTIVITY:** Yes  
**HAZARDOUS POLYMERIZATION:** Product will not undergo polymerization.  
**STABILITY:** Stable.  
**CONDITIONS TO AVOID:** No conditions known  
**POSSIBILITY OF HAZARDOUS REACTIONS:** None  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide, hydrogen chloride and sulfides.  
**INCOMPATIBLE MATERIALS:** Liquid chlorine, potassium permanganate, fuming nitric acid, fluorine and other strong oxidizing and base agents.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)
2-butanone Oxime	2326 mg/kg (rats)	2702 mg/kg (rat) - Subcutaneous

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**NOTES:** No known acute effects.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No environmental information was found for this product.

**ECOTOXICOLOGICAL INFORMATION:** No ecotoxicity data was found for this product.

**BIOACCUMULATION/ACCUMULATION:** Contains components with the potential to bio-accumulate.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Consult with your state and local hazardous waste requirements or guidelines to ensure compliance. Arrange disposal in accordance with EPA, state and local requirements.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not Regulated for Transport

**PRIMARY HAZARD CLASS/DIVISION:** Not Regulated

**UN/NA NUMBER:** NA

**PACKING GROUP:** NA

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
2-butanone Oxime	96-29-7

### 16. OTHER INFORMATION

**Date Revised:** 09/13/2017

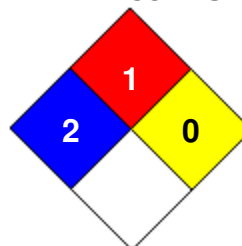
**INFORMATION CONTACT:** (972) 438-9111

**REVISION SUMMARY:** This MSDS replaces the 12/08/2014 MSDS. Revised: **Section 1:** Date Issued.

#### HMIS RATING

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

#### NFPA CODES



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**GENERAL STATEMENTS:** Keep out of reach of children  
For professional or industrial use only

**MANUFACTURER DISCLAIMER:** This document may be used to comply with OSHA's Hazardous Communication Standard, 29 CFR 1910.1200.

To the best of our knowledge, the information contained in this SDS is accurate. It is intended to assist the user in his/her evaluation of the product's hazards and safety precautions to be taken in its use. The data in this SDS relate only to the specific material designated herein. We do not assume liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

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