

SAFETY DATA SHEET

Date Prepared : 09/06/2017
MSDS No : PP ET227/227R A
Date Revised : 09/06/2017
Revision No : 1

PACIFIC POLYMERS Elasto-Thane 227/227R Component A

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PACIFIC POLYMERS Elasto-Thane 227/227R Component A

MANUFACTURER

ITW Polymers Sealants North America
 12271 Monarch St.
 Garden Grove, CA 92841

Product Stewardship: (714) 898-0025

24 HR. EMERGENCY TELEPHONE NUMBERS

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

COMMENTS: PACIFIC POLYMERS and Elasto-Thane are a registered trademarks of Illinois Tool Works, Inc.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Target Organ Toxicity (Repeated exposure), Category 2
 Eye Irritation, Category 2A
 Skin Irritation, Category 2A
 Respiratory Tract Irritation, Category 2A

GHS LABEL



Health
hazard

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H373: May cause damage to organs through prolonged or repeated exposure.
 H320: Causes eye irritation.
 H315: Causes skin irritation.
 H302: Harmful if swallowed.
 H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENT(S)

Prevention:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 [201]: Obtain special instructions before use.
 P264: Wash thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P314: Get medical advice/attention if you feel unwell.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P403+P235: Store in a well-ventilated place. Keep cool.

Disposal:

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

EMERGENCY OVERVIEW

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

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation.

SKIN: Prolonged or repeated skin contact may cause irritation and delayed burns.

SKIN ABSORPTION: May be absorbed through the skin.

INGESTION: Harmful if swallowed. May cause nausea and vomiting if ingested.

INHALATION: May cause nose or throat irritation. High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness).

MEDICAL CONDITIONS AGGRAVATED: Skin irritation, Eye irritation

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Titanium Dioxide	< 3	13463-67-7
Carbon Black	< 1	1333-86-4

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: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash or dispose of clothing before reuse.

INGESTION: Do not induce vomiting unless directed to by a physician. Do not give anything to drink unless directed to by a physician. Never give anything by mouth to a person who is not fully conscious. If significant amounts are swallowed or irritation or discomfort occurs, seek medical attention immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Can cause stinging, watering, redness, and swelling.

SKIN: Substance causes moderate skin irritation.

INGESTION: Not likely route of entry. May cause nausea and vomiting if ingested.

INHALATION: Respiratory tract irritation. High concentration may cause dizziness, headache, and anesthetic effects.

NOTES TO PHYSICIAN: This product contains a trace amount of organo mercuric compound curing catalyst.

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Symptoms may not take effect but there may be delayed effects such as skin burn, nausea and vomiting.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Class IIIB

GENERAL HAZARD: Combustible Liquid.

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical or foam.

EXPLOSION HAZARDS: No known unusual hazards in a fire/explosion situation.

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.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, nitrogen and sulfur on burning. Will create irritating smoke fumes.

COMMENTS: Use water spray to cool containers exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the appropriate personal protective equipment (PPE) should participate in spill response and clean-up.

LARGE SPILL: Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Know and prepare for spill response before using or handling this product. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled containers for disposal. Use appropriate PPE. Place absorbent diking materials in covered containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption.

HANDLING: Do not handle material near food, feed or drinking water. Agitate containers before use. Keep from freezing. Keep out of reach of children.

STORAGE: Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition.

SHELF LIFE: 1 year from manufacture date

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Titanium Dioxide	OSHA PEL	TWA	NL [1]	15 T [1]
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	NL [1]	10 [1]
		STEL	NL [1]	NL [1]
Carbon Black	OSHA PEL	TWA	NL [1]	3.5 [1]
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	NL [1]	3.5 [1]
		STEL	NL [1]	NL [1]

Footnotes:
 1. NL = Not Listed

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields, goggles or full-face shield as required by 29 CFR 1910.133 - OSHA Eye and Face Protection Standard. A suitable emergency eye wash station and safety shower should be located near the work station.

SKIN: Wear chemical protective clothing & boots to prevent repeated or prolonged skin contact. Wear impervious gloves, if needed, to prevent repeated or prolonged skin contact.

RESPIRATORY: Where vapor concentrations exceed or are likely to exceed the occupational exposure limits, a NIOSH approved continuous flow supplied air respirator, hood or helmet is recommended. A NIOSH approved self-contained positive pressure breathing apparatus with full face piece is required for spills and/or emergencies.

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

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

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild Odor

COLOR: Pigmented

pH: Not Determined

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PERCENT VOLATILE: Not Determined
FLASHPOINT AND METHOD: > 93.3°C (200°F)
FLAMMABLE LIMITS: Not Available to Not Available
AUTOIGNITION TEMPERATURE: Not Applicable
VAPOR PRESSURE: Not Determined
VAPOR DENSITY: > 1 (Air=1)
BOILING POINT: > (450°F)
FREEZING POINT: Not Determined
MELTING POINT: Not Determined
POUR POINT: Not Determined
SOLUBILITY IN WATER: Slight
PARTITION COEFFICIENT: N-OCTANOL/WATER: Not Determined
EVAPORATION RATE: Not Determined
DENSITY: 10.59 lbs/gal
PARTICLE SIZE: Not Determined
SPECIFIC GRAVITY: 1.27
VISCOSITY: Not Determined
MOLECULAR WEIGHT: Not Determined
(VOC): < 5 gr/L EPA Method 24 VOC
OXIDIZING PROPERTIES: Not Determined

10. STABILITY AND REACTIVITY

REACTIVITY: Yes
HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield the following: carbon monoxide, carbon dioxide, acrylic monomers.
INCOMPATIBLE MATERIALS: Avoid contact with acids and oxidizing agents

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Titanium Dioxide	No data	No data	No data
Carbon Black	No data	No data	No data

SERIOUS EYE DAMAGE/IRRITATION: Eyes, skin, nose and throat irritation.

CARCINOGENICITY

Chemical Name	IARC Status
Titanium Dioxide	2B

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12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This product contains components that may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

ECOTOXICOLOGICAL INFORMATION: Contains components that are potentially toxic to freshwater and saltwater ecosystems.

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

AIR (ICAO/IATA)

SHIPPING NAME: Not Regulated

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Regulated

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Titanium Dioxide	13463-67-7
Carbon Black	1333-86-4

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic

16. OTHER INFORMATION

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INFORMATION CONTACT: (714) 898-0025

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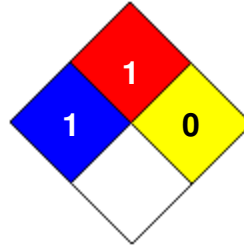
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REVISION SUMMARY: This MSDS replaces the 04/01/2015 MSDS. Revised: **Section 1:** Date Issued.

HMIS RATING

HEALTH	*	1
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES



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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