

SAFETY DATA SHEET

Date Prepared : 03/18/2019
MSDS No : TR MMP Primer A

TuffRez MMP Primer - Resin/Side A

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TuffRez MMP Primer - Resin/Side A

MANUFACTURER

ITW Polymers Sealants North America
12055 Cutten Road
Houston, TX 77066

Product Stewardship: (281) 397-0033

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation): (800) 424-9300
International: (703) 527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2
Eye Irritation, Category 2
Skin Sensitization, Category 1

Environmental:

Chronic Hazards to the Aquatic Environment, Category 2

Physical:

Not classified

GHS LABEL



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

PRECAUTIONARY STATEMENT(S)

General:

[201]: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.

Prevention:

P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

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P302+P352: IF ON SKIN: Wash with plenty of water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P361: Take off immediately all contaminated clothing.

Storage:

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

Disposal:

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

HAZARDS NOT OTHERWISE CLASSIFIED: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Bisphenol A/epichlorohydrin Resin	60 - 90	25068-38-6
Alkyl Glycidyl Ether	10 - 30	68609-97-2

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

SKIN: Remove contaminated clothing. Wash the affected area immediately with large amounts of soap and water. Get medical attention if irritations develops or persists. Wash clothing before reuse.

INGESTION: If swallowed, call a POISON CENTER immediately or doctor/physician if you feel unwell. Rinse mouth.

INHALATION: Remove person to fresh air. Seek medical attention if discomfort persists.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Causes eye irritation.

SKIN: Contact causes skin irritation.

ACUTE EFFECTS: Irritation of eyes and mucous membranes. May cause allergic skin reaction.

NOTES TO PHYSICIAN: Treat symptomatically.

ADDITIONAL INFORMATION: If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this SDS to the doctor in attendance.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Class IIIB

GENERAL HAZARD: No unusual fire or explosion hazards noted.

EXTINGUISHING MEDIA: Water Fog, Foam, Dry Chemical Powder, Dry Sand, Carbon Dioxide
Do not use water jet as an extinguisher, as this will spread the fire

FIRE FIGHTING PROCEDURES: Use standard firefighting procedures and consider the hazards of other involved materials.

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do without risk.

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Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire.

FIRE FIGHTING EQUIPMENT: As in any fire, wear Self-Contained Breathing Apparatus (SCBA) MSHA/NIOSH approved or equivalent and full protective clothing.

HAZARDOUS DECOMPOSITION PRODUCTS: During fire, gases hazardous to health may be formed

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.

GENERAL PROCEDURES: Stop flow of material, if this is without risk.

RELEASE NOTES: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

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. Avoid contact with eyes, skin, and clothing.

STORAGE: Store material in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Alkyl Glycidyl Ether	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: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If

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exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields.

SKIN: 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.

PROTECTIVE CLOTHING: Chemical resistant gloves and normal work clothing (long sleeved shirt and long pants).

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

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Slight

COLOR: Amber

pH: Not Available

FLASHPOINT AND METHOD: > 192.2°C (378°F)

FLAMMABLE LIMITS: Not Available to Not Available

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING POINT: Not Available

MELTING POINT: Not Available

SOLUBILITY IN WATER: Not Available

EVAPORATION RATE: Not Available

DENSITY: 8.25

SPECIFIC GRAVITY: 0.99

VISCOSITY: Not Available

(VOC): 0.28 lbs/gals

Notes: Mixed Components

10. STABILITY AND REACTIVITY

REACTIVITY: Product is stable and non-reactive under normal conditions of use, storage and transport

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.

STABILITY: Stable under normal storage and application conditions.

CONDITIONS TO AVOID: Avoid temperatures exceeding the flash point. Contact with incompatible materials.

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POSSIBILITY OF HAZARDOUS REACTIONS: None

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition will not occur if handled and stored properly.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Alkyl Glycidyl Ether	19200 mg/kg (rats)	> 4500 mg/kg (rabbits)	No data

NOTES: Not Available

SKIN CORROSION/IRRITATION: Causes skin irritation

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION: Due to lack of data the classification is not possible.

GERM CELL MUTAGENICITY: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic

CARCINOGENICITY

NOTES: Not Available

REPRODUCTIVE TOXICITY: Not Available

STOT-SINGLE EXPOSURE: Due to lack of data the classification is not possible.

STOT-REPEATED EXPOSURE: Due to lack of data the classification is not possible.

ASPIRATION HAZARD: Due to lack of data the classification is not possible.

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: No information for bioaccumulation is available.

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.

EMPTY CONTAINER: Since empties containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated as dangerous goods.

AIR (ICAO/IATA)

SHIPPING NAME: Environmentally Hazardous Substances, Liquids, N.O.S. (Epoxy Resin:-Reaction Product Of

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Bisphenol A And Epichlorohydrin(refer To Epichlorohydrin)), Marine Pollutant

UN/NA NUMBER: 3082

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

ERG: 9L

SPECIAL PROVISIONS: Read safety instructions, SDS and emergency procedures before handling.

VESSEL (IMO/IMDG)

SHIPPING NAME: Environmentally Hazardous Substances, Liquids, N.O.S. (Epoxy Resin:-Reaction Product Of Bisphenol A And Epichlorohydrin(refer To Epichlorohydrin)), Marine Pollutant

UN/NA NUMBER: UN3082

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

EmS: F-A, S-F

MARINE POLLUTANT #1: Yes

SPECIAL PROVISIONS: Read safety instructions, SDS and emergency procedures before handling.

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Class 9



Marine
Pollutant



Class 9



Marine
Pollutant

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Bisphenol A/epichlorohydrin Resin	25068-38-6
Alkyl Glycidyl Ether	68609-97-2

CLEAN AIR ACT

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: Not Regulated

CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS): Not Regulated

OSHA HAZARD COMM. RULE: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SDWA (SAFE DRINKING WATER ACT): Not Regulated

16. OTHER INFORMATION

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INFORMATION CONTACT: (281) 397-0033

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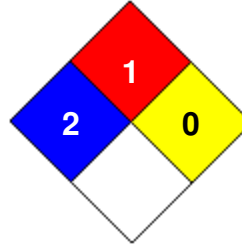
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HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES



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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