

SAFETY DATA SHEET

Date Prepared : 11/17/2015
 MSDS No : SF2100B
 Date Revised : 11/17/2015
 Revision No : 2

FOAMSEAL Hurricane Adhesive - Part B

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FOAMSEAL Hurricane Adhesive - Part B

MANUFACTURER

ITW Polymers Sealants North America
 56 Air Station Industrial Park
 Rockland, MA 02370

Product Stewardship: (781) 878-7015

24 HR. EMERGENCY TELEPHONE NUMBERS

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

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

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Target Organ Toxicity (Repeated exposure), Category 2

GHS LABEL



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H373: May cause damage to organs through prolonged or repeated exposure.

H319: Causes serious eye irritation.

H315: Causes skin irritation.

PRECAUTIONARY STATEMENT(S)

Prevention:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

Response:

P314: Get medical advice/attention if you feel unwell.

Disposal:

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

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation upon contact.

SKIN: May cause skin irritation.

INGESTION: May cause damage to mucous membranes if swallowed.

INHALATION: Short-term harmful health effects are not expected from vapor generated at ambient temperatures.

ROUTES OF ENTRY: Eye and Skin Contact, Inhalation and Ingestion

SAFETY DATA SHEET

Date Prepared : 11/17/2015

MSDS No : SF2100B

Date Revised : 11/17/2015

Revision No : 2

FOAMSEAL Hurricane Adhesive - Part B

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt. % | CAS |
|-------------------------------|-------|------------|
| Polyalkylene oxide polyol | < 50 | 52019-35-9 |
| Polyether Polyol | < 45 | 9082-00-2 |
| Polyoxyalkyleneamine | < 5 | 9046-10-0 |
| N, N Dimethylcyclohexyl Amine | < 2 | 98-94-2 |
| Silicone Surfactant | < 2 | Mixture |

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of tempered water (at least 15-20 minutes) lifting upper and lower eye lids occasionally. Get immediate medical attention.

SKIN: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

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

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

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not Applicable

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

EXPLOSION HAZARDS: Decomposition products may cause a health hazard.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear. After water evaporates, remaining material will burn.

SENSITIVE TO STATIC DISCHARGE: None Expected.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, nitrogen oxide, ammonia, aldehydes, ketones, organic fragments

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

SAFETY DATA SHEET

Date Prepared : 11/17/2015
MSDS No : SF2100B
Date Revised : 11/17/2015
Revision No : 2

FOAMSEAL Hurricane Adhesive - Part B

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. No smoking. Do not breathe vapors. Avoid contact with body. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation).

HANDLING: Follow all SDS/label precautions even after container is emptied because they may retain product residues. Containers should be tightly closed to prevent contamination with foreign materials and moisture. Employee education and training in the safe handling of this product are required under the Federal OSHA Hazard Communication Standard. Avoid contact of liquid with eyes and prolonged skin exposure.

STORAGE: Keep container closed when not in use. Store in a dry, well ventilated area, out of the sun and away from ignition sources. Do not remove or deface label. Prevent water or moist air from entering container.

STORAGE TEMPERATURE: 18.3°C (65°F) Minimum to 35°C (95°F) Maximum

SHELF LIFE: 6 months from manufacture date

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | | | |
|---|------|-----------------|-------------------|-----------|-------------------|
| | | EXPOSURE LIMITS | | | |
| | | OSHA PEL | | ACGIH TLV | |
| Chemical Name | | ppm | mg/m ³ | ppm | mg/m ³ |
| Polyalkylene oxide polyol | TWA | NL [1] | NL [1] | NL [1] | NL [1] |
| | STEL | NL [1] | NL [1] | NL [1] | NL [1] |
| Polyether Polyol | TWA | NL [1] | NL [1] | NL [1] | NL [1] |
| | STEL | NL [1] | NL [1] | NL [1] | NL [1] |
| Polyoxyalkyleneamine | TWA | NL [1] | NL [1] | NL [1] | NL [1] |
| | STEL | NL [1] | NL [1] | NL [1] | NL [1] |
| N, N Dimethylcyclohexyl Amine | TWA | NL [1] | NL [1] | NL [1] | NL [1] |
| | STEL | NL [1] | NL [1] | NL [1] | NL [1] |
| Silicone Surfactant | TWA | NL [1] | NL [1] | NL [1] | NL [1] |
| | STEL | NL [1] | NL [1] | NL [1] | NL [1] |
| Footnotes: | | | | | |
| 1. NL = Not Listed | | | | | |

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

PERSONAL PROTECTIVE EQUIPMENT

SAFETY DATA SHEET

Date Prepared : 11/17/2015

MSDS No : SF2100B

Date Revised : 11/17/2015

Revision No : 2

FOAMSEAL Hurricane Adhesive - Part B

EYES AND FACE: Wear safety glasses with side shields, goggles, or a full-face shield. Do not wear contact lenses.

SKIN: Wear chemical resistant gloves such as latex, butyl rubber, nitrile rubber, polyvinyl alcohol. Wear chemical protective clothing & boots to prevent repeated or prolonged skin contact.

RESPIRATORY: This material does not have established exposure limits. Wear a positive pressure air-supplied respirator in situations where there may be potential for airborne exposure.

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 Amine Odor

COLOR: Amber

pH: Not Determined

PERCENT VOLATILE: 2.4

FLASHPOINT AND METHOD: Not Determined

FLAMMABLE LIMITS: Not Determined

AUTOIGNITION TEMPERATURE: Not Applicable

VAPOR PRESSURE: Not Determined

VAPOR DENSITY: > 1 (Air=1)

BOILING POINT: Not Determined

FREEZING POINT: Not Determined

MELTING POINT: Not Determined

SOLUBILITY IN WATER: Partially Soluble

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): 25.000 gr/L EPA Method 24 VOC

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.

STABILITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: None Expected.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, nitrogen oxide, isocyanate vapors and mist, traces of HCN. If vapor heated with peroxides present, violent decomposition can occur.

INCOMPATIBLE MATERIALS: Alkali or alkaline earth metals, strong acids, copper, brass, elastomers

SAFETY DATA SHEET

Date Prepared : 11/17/2015

MSDS No : SF2100B

Date Revised : 11/17/2015

Revision No : 2

FOAMSEAL Hurricane Adhesive - Part B

11. TOXICOLOGICAL INFORMATION

ACUTE

| Chemical Name | ORAL LD ₅₀ (rat) | DERMAL LD ₅₀ (rabbit) | INHALATION LC ₅₀ (rat) |
|-------------------------------|--------------------------------|-------------------------------------|--------------------------------------|
| Polyalkylene oxide polyol | > 2000 mg/kg | > 2000 mg/kg | No data |
| Polyether Polyol | > 5000 mg/kg (rats) | > 2000 mg/kg (rabbits) | > 200 mg/L (1-hr dose) |
| Polyoxyalkyleneamine | 1100 mg/kg (rats) | 1555 mg/kg (rat) | No data |
| N, N Dimethylcyclohexyl Amine | 272 mg/kg (rats) | > 400 mg/kg (rabbits) | 9 mg/L (1-hr dose) |
| Silicone Surfactant | No data | No data | No data |

IRRITATION: Mild to moderate eyes and skin irritation.

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.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated

PACKING GROUP: N/A

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

313 REPORTABLE INGREDIENTS: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

SAFETY DATA SHEET

Date Prepared : 11/17/2015
MSDS No : SF2100B
Date Revised : 11/17/2015
Revision No : 2

FOAMSEAL Hurricane Adhesive - Part B

| Chemical Name | CAS |
|-------------------------------|------------|
| Polyalkylene oxide polyol | 52019-35-9 |
| Polyether Polyol | 9082-00-2 |
| Polyoxyalkyleneamine | 9046-10-0 |
| N, N Dimethylcyclohexyl Amine | 98-94-2 |
| Silicone Surfactant | Mixture |

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic

16. OTHER INFORMATION

Date Revised: 11/17/2015

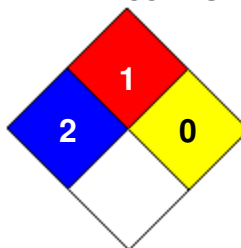
INFORMATION CONTACT: (781) 878-7015

REVISION SUMMARY: This MSDS replaces the 11/17/2015 MSDS. Revised: **Section 1:** Date Issued.

HMIS RATING

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

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of ITW Polymers Sealants North America. The data on this sheet relates only to the specific material designated herein. ITW Polymers Sealants North America assumes no legal responsibility for use or reliance upon these data.