

SAFETY DATA SHEET

Date Prepared : 09/13/2017

MSDS No : PUR MRP

Date Revised : 09/13/2017

Revision No : 5

ERSystems Polyurethane Metal Rust Primer

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ERSystems Polyurethane Metal Rust Primer

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

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Inhalation), Category 4
Skin Irritation, Category 2
Eye Irritation, Category 2A
Respiratory Sensitization, Category 1
Skin Sensitization, Category 1
Mutagenicity, Category 1B
Carcinogenicity, Category 1B
Reproductive Toxicity, Category 2
Target Organ Toxicity (Single exposure), Category 3
Target Organ Toxicity (Repeated exposure), Category 2
Aspiration Hazard, Category 1

Environmental:

Acute Hazards to the Aquatic Environment, Category 2
Chronic Hazards to the Aquatic Environment, Category 2

Physical:

Flammable Liquids, Category 3

GHS LABEL



Flame

Exclamation
markHealth
hazard

Environment

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.

SAFETY DATA SHEET

Date Prepared : 09/13/2017

MSDS No : PUR MRP

Date Revised : 09/13/2017

Revision No : 5

ERSystems Polyurethane Metal Rust Primer

H332: Harmful if inhaled.
 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335: May cause respiratory irritation.
 H336: May cause drowsiness or dizziness.
 H340: May cause genetic defects.
 H350: May cause cancer.
 H361: Suspected of damaging fertility or the unborn child.
 H373: May cause damage to organs through prolonged or repeated exposure.
 H401: Toxic to aquatic life.
 H411: Toxic to aquatic life with long lasting effects.

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.
 P233: Keep container tightly closed.
 P240: Ground and bond container and receiving equipment.
 P241: Use explosion-proof [electrical/ventilating/lighting] equipment.
 P242: Use non-sparking tools.
 P243: Take action to prevent static discharges.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P264: Wash thoroughly after handling.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P284: [In case of inadequate ventilation] wear respiratory protection.

Response:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 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.
 P308+P313: IF exposed or concerned: Get medical advice/ attention.
 P312: Call a POISON CENTER/doctor if you feel unwell.
 P314: Get medical advice/attention if you feel unwell.
 P321: Specific treatment is required.
 P331: Do NOT induce vomiting.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
 P362: Take off contaminated clothing.
 P370+P378: In case of fire: Use appropriate media to extinguish.
 P391: Collect spillage.

Storage:

SAFETY DATA SHEET

Date Prepared : 09/13/2017

MSDS No : PUR MRP

Date Revised : 09/13/2017

Revision No : 5

ERSystems Polyurethane Metal Rust Primer

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

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: Aluminum Grey

IMMEDIATE CONCERNS: CAUTION! Combustible liquid and vapor. Causes eye and skin irritation.

Contains Diphenylmethane Diisocyanate (CAS No. 101-68-8). May cause respiratory tract irritation. May cause allergic respiratory reaction. Harmful if inhaled. Respiratory sensitizer. May cause lung damage. Lung damage and respiratory sensitization may be permanent. May cause skin irritation. May cause allergic skin reaction. Skin sensitizer. Animal tests and other research indicate that skin contact with MDI can cause isocyanate desensitization and respiratory reaction.

POTENTIAL HEALTH EFFECTS

EYES: Moderately irritating to the eyes. May cause symptoms of reddening, tearing, stinging, and swelling. May cause temporary corneal injury. Vapor or aerosol may cause irritation with symptoms of burning and tearing.

SKIN: May cause mild skin irritation. Symptoms of irritation may be reddening, itching and swelling. Repeated or prolonged skin contact may result in allergic dermatitis.

INGESTION: Harmful if swallowed. Can burn mouth, throat and stomach. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

INHALATION: Avoid breathing vapors or mists. Prolonged or excessive inhalation may cause respiratory tract irritation. May cause allergic respiratory reaction. High vapor concentration are irritating to the eyes, nose, throat and lungs. May cause headaches and dizziness, anaesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

MDI vapors or mist concentration at or above the TLV can irritate (burning sensation) the mucous membrane in the respiratory tract causing runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function. Persons with pre-existing non-specific bronchial hyper-reactivity can respond to concentrations well below the TLV with similar symptoms as well as asthma attacks. Exposure well above the TLV may lead to bronchitis, bronchial spasm, and pulmonary edema. These effects are usually reversible. Chemical or hypersensitive pneumonitis, with flu-like symptoms (e.g. fever, chills) has also been reported. These symptoms can be delayed up to several hours after exposure. As a result of previous repeated overexposure or a single large dose, certain individuals develop isocyanate sensitization (chemical asthma), which will cause them to react to a later exposure to isocyanate at levels well below the TLV. Similar to many non-specific asthmatic responses, there are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air, or other irritants. This increase lung sensitivity can persist for weeks and in severe cases for several years. Overexposure to isocyanates has also been reported to cause lung damage (decrease in lung function), which may be permanent. Sensitization can be either temporary or permanent.

MEDICAL CONDITIONS AGGRAVATED: Asthma-like conditions may cause additional breathing problems.

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

IRRITANCY: Irritant to eyes, skin and respiratory tract.

SENSITIZATION: May cause allergic respiratory and skin reaction. Respiratory and skin sensitizer.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SAFETY DATA SHEET

Date Prepared : 09/13/2017

MSDS No : PUR MRP

Date Revised : 09/13/2017

Revision No : 5

ERSystems Polyurethane Metal Rust Primer

Chemical Name	Wt.%	CAS
Naphtha, Light Aromatic	< 30	6472-95-6
1,2,4-Trimethylbenzene	< 15	95-63-6
Aluminum	10 - 15	7429-90-5
Methylene Bisphenyl Isocyanate	< 8	101-68-8
Polymeric Isocyanates	< 5	9016-87-9
Stoddard Solvent	< 5	8052-41-3
Diphenylmethane Diisocyanate Mixed Isomers	< 2.5	26447-40-5
Xylenes (o-,m-,p- Isomers)	< 1	1330-20-7
Cumene	< 0.5	98-82-8

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. Asthmatic symptoms may develop and may be immediate or delayed up to several hours. Extreme asthmatic reaction can be life threatening.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Causes eye irritation.

SKIN: Contact causes skin irritation. Contains a component that is a skin sensitizer.

INGESTION: Harmful if swallowed. Can burn mouth, throat and stomach. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

INHALATION: Respiratory tract irritation. Review inhalation signs and symptoms of MDI under Potential Health Effects.

ACUTE EFFECTS: Irritant to the eyes, skin and respiratory tract. Respiratory and skin sensitizer.

CHRONIC EFFECTS: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis). Respiratory (asthma or asthma-like symptoms) and skin sensitizer. Chronic overexposure to diisocyanates has also been reported to cause lung damage that may be permanent. After an individual is diagnosed as sensitive to isocyanates, no exposure should be permitted.

NOTES TO PHYSICIAN: Medical supervision of all employees who handle or come into contact with isocyanates is recommended. This should include pre-employment and periodic medical examinations with respiratory function tests (FEV, FVC as minimum). Persons with asthmatic type conditions, chronic bronchitis, other chronic respiratory diseases or recurrent skin eczema or sensitization should be excluded from working with MDI. Once a person is diagnosed as sensitized, no further exposure can be permitted.

SAFETY DATA SHEET

Date Prepared : 09/13/2017

MSDS No : PUR MRP

Date Revised : 09/13/2017

Revision No : 5

ERSystems Polyurethane Metal Rust Primer

IF ADDITIONAL INFORMATION ABOUT THIS MIXTURE IS REQUIRED, CONTACT ITW POLYMERS SEALANTS NORTH AMERICA AT (800) 403-7747

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Class II

FLAME PROPAGATION OR BURNING RATE OF SOLIDS: At temperatures > 400 F material may polymerize causing pressure build up in closed containers. Explosive rupture is possible. Use cold water to cool containers exposed to fire.

GENERAL HAZARD: Combustible liquid and vapor.

EXTINGUISHING MEDIA: Use methods appropriate for the surrounding fire. Water spray, dry chemical, carbon dioxide, AFFF or alcohol resistant foams are all appropriate.

OTHER CONSIDERATIONS: This material can burn but will not readily ignite. This material will release vapors when heated above the flash point temperature that can ignite when exposed to a source of ignition. In enclosed spaces, heated vapor can ignite with explosive force. Mists or sprays may burn at temperatures below the flash point.

EXPLOSION HAZARDS: Solid water stream may spread fire. When exposed to extreme heat, closed containers may rupture. Cool containers with flooding quantities of water until after the fire is completely extinguished.

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: 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. Ventilate the area by natural means or by explosion proof mechanical means (i.e. fans). Know and prepare for spill response before using or handling this product. Eliminate all ignition sources (flames, hot surfaces, portable heaters and sources of electrical, static, or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools and appropriate PPE. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid run-off into storm drains, ditches and waterways.

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. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. 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

SAFETY DATA SHEET

Date Prepared : 09/13/2017

MSDS No : PUR MRP

Date Revised : 09/13/2017

Revision No : 5

ERSystems Polyurethane Metal Rust Primer

ventilation). Vapors may be heavier than air and will collect in low areas. Containers may be hazardous when empty.

HANDLING: Use with sufficient ventilation to keep employee exposure below recommended limits. Provide adequate ventilation for storage, handling and use, especially for enclosed or low spaces. Avoid contact of liquid with eyes and prolonged skin exposure. Follow all SDS/label precautions even after container is emptied because they may retain product residues.

STORAGE: Avoid extreme temperatures. Keep container closed when not in use. Store in a cool, dry, well-ventilated area.

STORAGE TEMPERATURE: 15.6°C (60.1°F) Minimum to 26.7°C (80.1°F) Maximum

SHELF LIFE: 8 months from manufacture date

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	Type	EXPOSURE LIMITS		
			ppm	mg/m ³
Naphtha, Light Aromatic	OSHA PEL	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
1,2,4-Trimethylbenzene	OSHA PEL	TWA	25 ppm	125 mg/m ³
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	25 ppm	123 mg/m ³
		STEL	NL [1]	NL [1]
Aluminum	OSHA PEL	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	NL [1]	2 mg/m ³ [1]
		STEL	NL [1]	NL [1]
Methylene Bisphenyl Isocyanate	OSHA PEL	TWA	0.02 ppm	0.2 mg/m ³
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	0.005 ppm	NL
		STEL	NL [1]	NL [1]

SAFETY DATA SHEET

Date Prepared : 09/13/2017

MSDS No : PUR MRP

Date Revised : 09/13/2017

Revision No : 5

ERSystems Polyurethane Metal Rust Primer

Polymeric Isocyanates	OSHA PEL	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
Stoddard Solvent	OSHA PEL	TWA	500 ppm	2900 mg/m3
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	100 ppm	525 mg/m3
		STEL	NL [1]	NL [1]
Diphenylmethane Diisocyanate Mixed Isomers	OSHA PEL	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
Xylenes (o-,m-,p- Isomers)	OSHA PEL	TWA	100 ppm	435 mg/m3
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	100 ppm	434 mg/m3
		STEL	150 ppm	651 mg/m3
Cumene	OSHA PEL	TWA	50 ppm	245 mg/m3
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	50 ppm	246 mg/m3
		STEL	NL [1]	NL [1]

Footnotes:

1. NL = Not Listed

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use only in a well ventilated area. To determine exposure levels, monitoring should be performed as outlined by OSHA Standard 29 CFR 1910.1052.

PERSONAL PROTECTIVE EQUIPMENT

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

SKIN: Wear chemical resistant, impervious gloves.

RESPIRATORY: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. 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.

SAFETY DATA SHEET

Date Prepared : 09/13/2017

MSDS No : PUR MRP

Date Revised : 09/13/2017

Revision No : 5

ERSystems Polyurethane Metal Rust Primer

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: Solvent-like

COLOR: Aluminum Grey

pH: Not Determined

PERCENT VOLATILE: 39

FLASHPOINT AND METHOD: 42°C (107.6°F)

FLAMMABLE LIMITS: 0.9 % to 6.2 %

AUTOIGNITION TEMPERATURE: Not Determined

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: Not Determined

PARTITION COEFFICIENT: N-OCTANOL/WATER: Not Determined

EVAPORATION RATE: Not Determined

DENSITY: 8.8 lbs/gal

PARTICLE SIZE: Not Determined

SPECIFIC GRAVITY: 1.055

VISCOSITY #1: 350 cps

MOLECULAR WEIGHT: Not Determined

(VOC): 503.8 gr/L EPA Method 24 VOC

OXIDIZING PROPERTIES: Not Determined

WEIGHT PER VOLUME: Not Determined

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: Polymerization may occur when product is in contact with moisture or other materials which react with isocyanates, or when heated.

STABILITY: Stable.

CONDITIONS TO AVOID: Avoid heat, flames, sparks, and other sources of ignition. Keep away from strong oxidizing conditions and agents.

SAFETY DATA SHEET

Date Prepared : 09/13/2017

MSDS No : PUR MRP

Date Revised : 09/13/2017

Revision No : 5

ERSystems Polyurethane Metal Rust Primer

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

INCOMPATIBLE MATERIALS: Oxidizing agents, strong acids and strong alkalis.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Naphtha, Light Aromatic	> 3000 mg/kg (rats)	> 3160 mg/kg (rabbits)	No data
1,2,4-Trimethylbenzene	5000 mg/kg (rats)	No data	18000 mg/cub m (4-hr dose - rat)
Aluminum	No data	No data	No data
Methylene Bisphenyl Isocyanate	> 5000 mg/kg (rats)	No data	> 2240 mg/cub m (1-hr dose - rat)
Polymeric Isocyanates	No data	g/kg (rabbits)	No data
Stoddard Solvent	5000 mg/kg	3000 mg/kg	No data
Diphenylmethane Diisocyanate Mixed Isomers	> 10000 mg/kg (rats)	g/kg (rabbits)	> 2240 mg/cub m (1-hr dose - rat)
Xylenes (o-,m-,p- Isomers)	4300 mg/kg	2000 mg/kg	26800 ppm
Cumene	2260 mg/kg (rats)	No data	No data

CARCINOGENICITY

Chemical Name	IARC Status
Xylenes (o-,m-,p- Isomers)	3
Cumene	2B

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: 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

SAFETY DATA SHEET

Date Prepared : 09/13/2017
MSDS No : PUR MRP
Date Revised : 09/13/2017
Revision No : 5

ERSystems Polyurethane Metal Rust Primer

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Non-Regulated Material per 49 CFR 173.150(f)

UN/NA NUMBER: NA

PACKING GROUP: NA

AIR (ICAO/IATA)

SHIPPING NAME: Flammable Liquid, N.O.S.

TECHNICAL NAME: contains (Aromatic Hydrocarbon)

UN/NA NUMBER: 1993

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

ERG: 128

VESSEL (IMO/IMDG)

SHIPPING NAME: Flammable Liquid, N.O.S.

TECHNICAL NAME: contains (Aromatic Hydrocarbon)

UN/NA NUMBER: 1993

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

15. REGULATORY INFORMATION

UNITED STATES
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
1,2,4-Trimethylbenzene	< 15	95-63-6
Aluminum	10 - 15	7429-90-5
Methylene Bisphenyl Isocyanate	< 8	101-68-8
Polymeric Isocyanates	< 5	9016-87-9

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Methylene Bisphenyl Isocyanate	< 8	5000 lbs.
Diphenylmethane Diisocyanate Mixed Isomers	< 2.5	5000 lbs.
Xylenes (o-,m-,p- Isomers)	< 1	100
Cumene	< 0.5	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

SAFETY DATA SHEET

Date Prepared : 09/13/2017

MSDS No : PUR MRP

Date Revised : 09/13/2017

Revision No : 5

ERSystems Polyurethane Metal Rust Primer

Chemical Name	CAS	TSCA SECTION
Naphtha, Light Aromatic	6472-95-6	
1,2,4-Trimethylbenzene	95-63-6	
Aluminum	7429-90-5	
Methylene Bisphenyl Isocyanate	101-68-8	
Polymeric Isocyanates	9016-87-9	
Stoddard Solvent	8052-41-3	
Diphenylmethane Diisocyanate Mixed Isomers	26447-40-5	
Xylenes (o-,m-,p- Isomers)	1330-20-7	8a, 8d, 12b,
Cumene	98-82-8	

CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Methylene Bisphenyl Isocyanate	< 8	101-68-8
Xylenes (o-,m-,p- Isomers)	< 1	1330-20-7

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
1,2,4-Trimethylbenzene	Illinois Right to Know List Minnesota Right to Know List New Jersey Right to Know List Pennsylvania Right to Know List Rhode Island Right to Know List
Stoddard Solvent	New Jersey Right to Know List Pennsylvania Right to Know List
Xylenes (o-,m-,p- Isomers)	New Jersey Right to Know List Pennsylvania Right to Know List Massachusetts Toxic Use Reduction Act (TURA) Reportable Chemical Illinois Right to Know List Minnesota Right to Know List Rhode Island Right to Know List
Cumene	Massachusetts Right to Know List Pennsylvania Right to Know List Minnesota Right to Know List Illinois Right to Know List Minnesota Right to Know List Rhode Island Right to Know List

CALIFORNIA PROPOSITION 65

SAFETY DATA SHEET

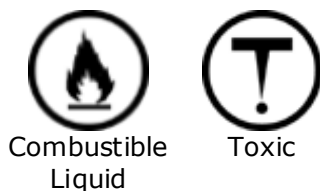
Date Prepared : 09/13/2017
MSDS No : PUR MRP
Date Revised : 09/13/2017
Revision No : 5

ERSystems Polyurethane Metal Rust Primer

Chemical Name	Wt. %	Listed
Cumene	< 0.5	Cancer

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



16. OTHER INFORMATION

Date Revised: 09/13/2017

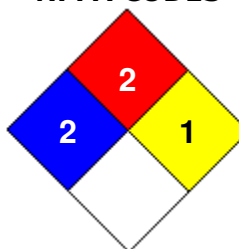
INFORMATION CONTACT: (972) 438-9111

REVISION SUMMARY: This MSDS replaces the 07/01/2015 MSDS. Revised: **Section 1:** Date Issued.

HMIS RATING

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		1
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.

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.