

# SAFETY DATA SHEET

**Date Prepared :** 09/13/2017  
**MSDS No :** Acrylic MRP  
**Date Revised :** 09/13/2017  
**Revision No :** 2

## ERSystems Acrylic Metal Rust Primer

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ERSystems Acrylic Metal Rust Primer

**MANUFACTURER**

ITW Polymers Sealants North America  
 3700 S Palo Verde Rd.  
 Tucson, AZ 85713

**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:**

Target Organ Toxicity (Repeated exposure), Category 2

**GHS LABEL**



Health  
hazard

**SIGNAL WORD:** WARNING

**HAZARD STATEMENTS**

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

**PRECAUTIONARY STATEMENT(S)**

**General:**

6019NUEC: Exposure may aggravate pre-existing eye, skin, or respiratory conditions. When heated to decomposition, emits toxic fumes.

**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.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** White or Gray Liquid

**IMMEDIATE CONCERNS:** WARNING! Harmful or fatal if swallowed. May cause irritation.

**POTENTIAL HEALTH EFFECTS**

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

**SKIN:** Prolonged or repeated skin contact may cause irritation.

**INGESTION:** Not likely route of entry. Harmful if swallowed, may cause nausea. Consult a physician.

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**INHALATION:** Trace components and residual vapors may be irritating to the eyes, skin, mucous membrane, respiratory tract, and may produce symptoms of headaches and nausea in poorly ventilated areas.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Acrylic Polymer	50 - 75	Mixture
Talc	< 10	14807-96-6
Titanium Dioxide	< 8	13463-67-7
2,2,4-trimethyl-1,3-pentanediol Monoisobutyrate	< 5	25265-77-4
Benzophenone	< 0.2	119-61-9
Ammonia	< 0.1	7664-41-7
Zinc Oxide	< 0.1	1314-13-2

### 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:** Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. 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.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Causes eye irritation.

**SKIN:** Mild to moderate skin irritant.

**INGESTION:** Single dose toxicity low to moderate.

**INHALATION:** Prolonged or excessive inhalation may cause respiratory tract irritation.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Not Applicable

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

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Acrylic Monomers

**EXPLOSION HAZARDS:** Material can splatter above 100 C/ 212 F. Dried product can burn.

**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.

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

### 6. ACCIDENTAL RELEASE MEASURES

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**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:** The minimum recommended storage temperature for this material is 1 C/34 F. The maximum recommended storage temperature is 60 C/140 F. Keep from freezing; material may coagulate. Do not store this material near food, feed or drinking water.

**STORAGE TEMPERATURE:** 1.0°C (34.0°F) Minimum to 60°C (140°F) Maximum

**SHELF LIFE:** 8 months from manufacture date @26.7 C

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	Type	EXPOSURE LIMITS		
			ppm	mg/m <sup>3</sup>
Acrylic Polymer	OSHA PEL	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	NL [1]	NL [1]
		STEL	NL [1]	NL [1]
Talc	OSHA PEL	TWA	20 mpp	3.3 mg/m <sup>3</sup>
		STEL	NL [1]	NL [1]
	ACGIH TLV	TWA	NL [1]	2 mg/m <sup>3</sup> [1]
		STEL	NL [1]	NL [1]

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Titanium Dioxide	OSHA PEL	TWA	NL <sup>[1]</sup>	15 T <sup>[1]</sup>
		STEL	NL <sup>[1]</sup>	NL <sup>[1]</sup>
	ACGIH TLV	TWA	NL <sup>[1]</sup>	10 <sup>[1]</sup>
		STEL	NL <sup>[1]</sup>	NL <sup>[1]</sup>
2,2,4-trimethyl-1,3-pentanediol Monoisobutyrate	OSHA PEL	TWA	NL <sup>[1]</sup>	NL <sup>[1]</sup>
		STEL	NL <sup>[1]</sup>	NL <sup>[1]</sup>
	ACGIH TLV	TWA	NL <sup>[1]</sup>	NL <sup>[1]</sup>
		STEL	NL <sup>[1]</sup>	NL <sup>[1]</sup>
Benzophenone	OSHA PEL	TWA	NL <sup>[1]</sup>	NL <sup>[1]</sup>
		STEL	NL <sup>[1]</sup>	NL <sup>[1]</sup>
	ACGIH TLV	TWA	NL <sup>[1]</sup>	NL <sup>[1]</sup>
		STEL	NL <sup>[1]</sup>	NL <sup>[1]</sup>
Ammonia	OSHA PEL	TWA	50 ppm <sup>[2]</sup>	NL <sup>[2]</sup>
		STEL	NL <sup>[1]</sup>	NL <sup>[1]</sup>
	ACGIH TLV	TWA	25 ppm	NL
		STEL	35 ppm	NL
Zinc Oxide	OSHA PEL	TWA	NL	15 mg/m <sup>3</sup>
		STEL	NL	NL
	ACGIH TLV	TWA	NL <sup>[1]</sup>	10 mg/m <sup>3</sup> <sup>[1]</sup>
		STEL	NL <sup>[1]</sup>	NL <sup>[1]</sup>

**Footnotes:**

1. NL = Not Listed

2. OSHA limits per 29 CFR 1910.1000 Table Z-1 &amp; Z-2

**ENGINEERING CONTROLS:** Use appropriate engineering controls such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such ventilation systems are not effective, wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personale protective equipment.

**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

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self-contained positive pressure breathing apparatus with full face piece is required for spills and/or emergencies.

**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:** Faint Odor

**COLOR:** White or Grey

**pH:** 8.5 to 9.5

**PERCENT VOLATILE:** 60.0

**FLASHPOINT AND METHOD:** 120°C (248°F)

**FLAMMABLE LIMITS:** NA

**AUTOIGNITION TEMPERATURE:** Not Applicable

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Not Determined

**BOILING POINT:** 100°C (212°F)

**FREEZING POINT:** 0.0°C (32.0°F)

**POUR POINT:** Not Determined

**SOLUBILITY IN WATER:** Miscible

**PARTITION COEFFICIENT: N-OCTANOL/WATER:** Not Determined

**EVAPORATION RATE:** < 1 (n-Butyl Acetate=1)

**DENSITY:** 9.1 lbs/gal

**PARTICLE SIZE:** Not Determined

**SPECIFIC GRAVITY:** 1.09

**VISCOSITY #1:** 5000 cps

**MOLECULAR WEIGHT:** Not Determined

**(VOC):** 65.9 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:** There are no known materials that are incompatible with this product.

### 11. TOXICOLOGICAL INFORMATION

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### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Acrylic Polymer	No data	No data	No data
Talc	No data	No data	No data
Titanium Dioxide	No data	No data	No data
2,2,4-trimethyl-1,3-pentanediol Monoisobutyrate	> 3200 mg/kg (rats)	> 15200 mg/kg (rabbits)	No data
Benzophenone	2895 mg/kg (mouse)	3535 mg/kg (rabbits)	No data
Ammonia	350 mg/kg	No data	7338 ppm (1-hr dose)
Zinc Oxide	7950 mg/kg (mouse)	No data	No data

**SERIOUS EYE DAMAGE/IRRITATION:** Mild to moderate eyes and skin irritation.

### CARCINOGENICITY

Chemical Name	IARC Status
Titanium Dioxide	2B

### 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

**UN/NA NUMBER:** NA

**PACKING GROUP:** NA

### 15. REGULATORY INFORMATION

#### UNITED STATES

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

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**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes  
**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

Chemical Name	Wt. %	CERCLA RQ
Ammonia	< 0.1	100 lbs.

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Acrylic Polymer	Mixture
Talc	14807-96-6
Titanium Dioxide	13463-67-7
2,2,4-trimethyl-1,3-pentanediol Monoisobutyrate	25265-77-4
Benzophenone	119-61-9
Ammonia	7664-41-7
Zinc Oxide	1314-13-2

### CLEAN AIR ACT

Chemical Name	Wt. %	CAS
Ammonia	< 0.1	7664-41-7

### CANADA

#### WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic

### 16. OTHER INFORMATION

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

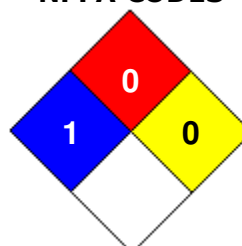
**INFORMATION CONTACT:** (520) 624-6282

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

#### HMIS RATING

<b>HEALTH</b>	1
<b>FLAMMABILITY</b>	0
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	B

#### NFPA CODES



**GENERAL STATEMENTS:** Keep out of reach of children

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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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