

SAFETY DATA SHEET

Date Prepared : 01/05/2016
MSDS No : EG-C-1000FR
Date Revised : 01/05/2016
Revision No : 6

ERSystems Acrylic 1000 PLUS Roof Coating

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ERSystems Acrylic 1000 PLUS Roof Coating

MANUFACTURER

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

Product Stewardship: (877) 352-7835

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: Milky liquid with an ammonia odor

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.

SAFETY DATA SHEET

Date Prepared : 01/05/2016
MSDS No : EG-C-1000FR
Date Revised : 01/05/2016
Revision No : 6

ERSystems Acrylic 1000 PLUS Roof Coating

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

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	Mixture
Aluminum Hydroxide	< 10	21645-51-2
Titanium Dioxide	< 7	13463-67-7
Ethylene Glycol	< 1.5	107-21-1
Ammonia	< 0.1	7664-41-7

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: 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.

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

SAFETY DATA SHEET

Date Prepared : 01/05/2016
MSDS No : EG-C-1000FR
Date Revised : 01/05/2016
Revision No : 6

ERSystems Acrylic 1000 PLUS Roof Coating

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: 4.4°C (40°F) Minimum to 29.4°C (85°F) Maximum

SHELF LIFE: 2 years from manufacture date

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

SAFETY DATA SHEET

Date Prepared : 01/05/2016
MSDS No : EG-C-1000FR
Date Revised : 01/05/2016
Revision No : 6

ERSystems Acrylic 1000 PLUS Roof Coating

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Acrylic Polymer	TWA	NL [1]	NL [1]	NL [1]	NL [1]
	STEL	NL [1]	NL [1]	NL [1]	NL [1]
Aluminum Hydroxide	TWA	NL [1]	NL [1]	NL [1]	NL [1]
	STEL	NL [1]	NL [1]	NL [1]	NL [1]
Titanium Dioxide	TWA	NL [1]	15 T [1]	NL [1]	10 [1]
	STEL	NL [1]	NL [1]	NL [1]	NL [1]
Ethylene Glycol	TWA	NL [1]	NL [1]	NL [1]	NL [1]
	STEL	NL [1]	NL [1]	100-C [2]	NL [2]
Ammonia	TWA	50 ppm [3]	NL [3]	25 ppm	NL
	STEL	NL [1]	NL [1]	35 ppm	NL
Footnotes:					
1. NL = Not Listed					
2. C = Ceiling					
3. OSHA limits per 29 CFR 1910.1000 Table Z-1 & Z-2					

ENGINEERING CONTROLS: Exterior-use product. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

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.

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

SAFETY DATA SHEET

Date Prepared : 01/05/2016
MSDS No : EG-C-1000FR
Date Revised : 01/05/2016
Revision No : 6

ERSystems Acrylic 1000 PLUS Roof Coating

PHYSICAL STATE: Liquid
ODOR: Ammonia Odor
COLOR: Bright White
pH: 9.0 to 10.5
PERCENT VOLATILE: 33.7
FLASHPOINT AND METHOD: Not Applicable
FLAMMABLE LIMITS: NA
AUTOIGNITION TEMPERATURE: Not Applicable
VAPOR DENSITY: > 1 (Air=1)
BOILING POINT: Variable F
FREEZING POINT: Variable F
MELTING POINT: Variable F
POUR POINT: Not Determined
SOLUBILITY IN WATER: Miscible
PARTITION COEFFICIENT: N-OCTANOL/WATER: Not Determined
EVAPORATION RATE: < 1
DENSITY: 11.6 lbs/gal
PARTICLE SIZE: Not Determined
SPECIFIC GRAVITY: 1.395
VISCOSITY #1: 17000 to 25000 cps
MOLECULAR WEIGHT: Not Determined
(VOC): 26.400 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

ACUTE

SAFETY DATA SHEET

Date Prepared : 01/05/2016
MSDS No : EG-C-1000FR
Date Revised : 01/05/2016
Revision No : 6

ERSystems Acrylic 1000 PLUS Roof Coating

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Acrylic Polymer	No data	No data	No data
Aluminum Hydroxide	No data	No data	No data
Titanium Dioxide	No data	No data	No data
Ethylene Glycol	6140 mg/kg	10600 mg/kg	No data
Ammonia	350 mg/kg	No data	7338 ppm (1-hr dose)

CARCINOGENICITY

Chemical Name	IARC Status
Titanium Dioxide	2B

IRRITATION: Mild to moderate eyes and skin irritation.

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: 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.

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)

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

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS
Ethylene Glycol	< 1.5	107-21-1

SAFETY DATA SHEET

Date Prepared : 01/05/2016
MSDS No : EG-C-1000FR
Date Revised : 01/05/2016
Revision No : 6

ERSystems Acrylic 1000 PLUS Roof Coating

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Ethylene Glycol	< 1.5	5,000
Ammonia	< 0.1	100 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Acrylic Polymer	Mixture
Aluminum Hydroxide	21645-51-2
Titanium Dioxide	13463-67-7
Ethylene Glycol	107-21-1
Ammonia	7664-41-7

CLEAN AIR ACT

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

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Aluminum Hydroxide	Pennsylvania Right to Know List New Jersey Right to Know List
Ethylene Glycol	New Jersey Right to Know List Pennsylvania Right to Know List Massachusetts Toxic Use Reduction Act (TURA) Reportable Chemical

16. OTHER INFORMATION

Date Revised: 01/05/2016

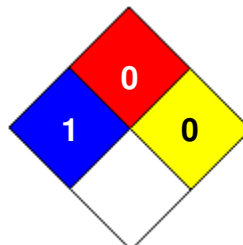
INFORMATION CONTACT: (520) 624-6282

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

HMIS RATING

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA CODES



GENERAL STATEMENTS: Keep out of reach of children
For professional or industrial use only

SAFETY DATA SHEET

Date Prepared : 01/05/2016
MSDS No : EG-C-1000FR
Date Revised : 01/05/2016
Revision No : 6

ERSystems Acrylic 1000 PLUS Roof Coating

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.