

# SAFETY DATA SHEET

Date Prepared : 03/02/2016  
MSDS No : OneStep Plus

## ERSystems OneStep Plus Roof Coating

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ERSystems OneStep Plus Roof Coating

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

### 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS**

**Health:**

Target Organ Toxicity (Repeated exposure), Category 2  
Reproductive Toxicity, Category 2

**GHS LABEL**



Health  
hazard

**SIGNAL WORD:** WARNING

**HAZARD STATEMENTS**

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

H361: Suspected of damaging fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

**PRECAUTIONARY STATEMENT(S)**

**Prevention:**

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

**Response:**

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

**Storage:**

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

**Disposal:**

P501: Dispose of contents/container to an approved waste hauler

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** White, Odorless Paste

**IMMEDIATE CONCERNS:** CAUTION! May cause eye, skin, nose and throat irritation.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Can cause moderate irritation, burning sensation, tearing, redness, and swelling.

**SKIN:** Absorption may occur. Can cause central nervous system effects, irritation, headache, dizziness,

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drowsiness, loss of coordination, sensitization, allergic reaction.

**SKIN ABSORPTION:** May be absorbed through the skin.

**INGESTION:** Can cause irritation, stomach pain, vomiting.

**INHALATION:** Can cause irritation, coughing, sneezing, central nervous system effects, dizziness, nausea, loss of coordination, vomiting.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Calcium Carbonate (limestone)	< 40	1317-65-3
Octamethylcyclotetrasiloxane	< 12	556-67-2
Titanium Dioxide	< 10	13463-67-7

### 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:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash or discard clothing and shoes before reuse.

**INGESTION:** Get medical attention immediately.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Class IIIB

**GENERAL HAZARD:** Combustible Liquid.

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

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, oxides of nitrogen, aldehydes, various polymer compounds.

**EXPLOSION HAZARDS:** Slight fire hazard.

**FIRE FIGHTING PROCEDURES:** Use cold water to cool containers exposed to fire. Move container from fire area if it can be done without risk. avoid inhalation of material or combustion by-products.

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

### 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

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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. Avoid contact with eyes, skin, and clothing.

**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:** Store and handle in accordance with all current regulations and standards. Subject to storage regulations: US OSHA 29 CFR 1910.106. Store locked up. Store in a tightly closed container. Store in a cool, dry place. Protect from direct sunlight, heat or freezing. Material should be stored in appropriate secondary containers or in a diked area. Inspect all incoming containers before storage to ensure containers are properly labeled and not damaged. Keep separated from incompatible substances.

**SHELF LIFE:** 9 months from manufacture date

**COMMENTS:** Empty containers may contain residual liquid; empty containers should be handled with care.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
Calcium Carbonate (limestone)	OSHA PEL	TWA	NL <sup>[1]</sup>	15T 5R mg/m <sup>3</sup> <sup>[1]</sup>
		STEL	NL <sup>[1]</sup>	NL <sup>[1]</sup>
	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>
Octamethylcyclotetrasiloxane	OSHA PEL	TWA	10 ppm <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>
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>

**Footnotes:**

1. NL = Not Listed

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**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. A suitable emergency eye wash station and safety shower should be located near the work station.

**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.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Paste

**ODOR:** Odorless

**ODOR THRESHOLD:** Not Determined

**COLOR:** White

**pH:** Not Determined

**PERCENT VOLATILE:** 10.0

**FLASHPOINT AND METHOD:** 200°C (392°F) TAG CC

**FLAMMABLE LIMITS:** NA to NA

**AUTOIGNITION TEMPERATURE:** Not Applicable

**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:** Negligible

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

**EVAPORATION RATE:** Not Determined

**DENSITY:** 11.6 lbs/gal

**SPECIFIC GRAVITY:** 1.391

**VISCOSITY:** Not Determined

**MOLECULAR WEIGHT:** Not Determined

**(VOC):** 40.700 EPA Method 24 VOC

**OXIDIZING PROPERTIES:** Not Determined

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### 10. STABILITY AND REACTIVITY

**REACTIVITY:** Yes

**HAZARDOUS POLYMERIZATION:** Product will not undergo polymerization.

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** Avoid heat, flames, sparks, and other sources of ignition. Avoid contact with incompatible materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon, oxides of nitrogen, aldehydes, various polymer compounds. Decomposition (water/moisture).

**INCOMPATIBLE MATERIALS:** Oxidizing material, acids, amines, strong caustics, water.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Calcium Carbonate (limestone)	6450 mg/kg (mouse)	No data	No data
Octamethylcyclotetrasiloxane	> 4800 mg/kg (rats)	> 2.5 ml/kg (rabbit)	2975 ppm (4- hr dose - rat)
Titanium Dioxide	No data	No data	No data

#### CARCINOGENICITY

Chemical Name	IARC Status
Titanium Dioxide	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.

**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

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### 15. REGULATORY INFORMATION

#### UNITED STATES

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

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

##### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS	TSCA SECTION
Calcium Carbonate (limestone)	1317-65-3	
Octamethylcyclotetrasiloxane	556-67-2	8d, 12b,
Titanium Dioxide	13463-67-7	

#### CANADA

##### WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic

### 16. OTHER INFORMATION

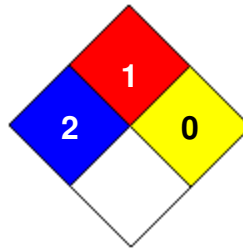
Date Prepared: 03/02/2016

INFORMATION CONTACT: (781) 878-7015

#### HMIS RATING

<b>HEALTH</b>	*	<b>2</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		<b>B</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.

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