

SAFETY DATA SHEET

Date Prepared : 09/13/2017

MSDS No : SM5430

Date Revised : 09/13/2017

Revision No : 5

ACRYL-R SM5430 Roof Sealant

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ACRYL-R SM5430 Roof Sealant

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: ACRYL-R is a registered trademark of Illinois Tool Works, Inc.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2
Eye Irritation, Category 2A
Target Organ Toxicity (Single exposure), Category 3

Physical:

Flammable Liquids, Category 3

GHS LABEL



Flame



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H226: Flammable liquid and vapour.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

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.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.

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P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

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+P312: IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a POISON CENTER/doctor if you feel unwell.

P321: Specific treatment is required.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P362: Take off contaminated clothing.

P370+P378: In case of fire: Use appropriate media to extinguish.

Storage:

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: White Caulk

IMMEDIATE CONCERNS: WARNING! Combustible liquid and vapor. Vapors may cause flash fire. Harmful or fatal if swallowed.

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause moderate eye irritation.

SKIN: May cause skin irritation. May aggravate existing dermatitis.

INGESTION: Harmful if swallowed. May cause nausea if ingested.

INHALATION: May cause nose or throat irritation. High concentrations may cause acute central nervous system depression (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness).

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

IRRITANCY: Eyes, nose, throat, respiratory tract, and skin irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Calcium Carbonate	< 45	471-34-1
1-propene, 2-methyl-, Homopolymer	< 30	9003-27-4
Odorless Mineral Spirits	15 - 20	8052-41-3
Titanium Dioxide	< 1	13463-67-7

4. FIRST AID MEASURES

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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 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: 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.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Causes eye irritation.

SKIN: Mild to moderate skin irritant.

INGESTION: Not likely route of entry. May cause nausea and vomiting if ingested.

INHALATION: Respiratory tract irritation.

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

CHRONIC EFFECTS: Repeated or prolonged skin contact may result in allergic dermatitis and possible edema. Prolongs inhalation may aggravate existing respiratory conditions. High vapor concentrations may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Class II

GENERAL HAZARD: Combustible liquid and vapor.

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

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, smoke, fumes and/or unburned hydrocarbons

EXPLOSION HAZARDS: Vapors are heavies than air and amy travel along the ground or be moved by ventilation and ignited by heat, pilot lights, or other ignition sources at locations distant from the material handling point. Never use a welding or cutting torch on or near containers (even empty) because product or product residue many ignite explosively.

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.

SENSITIVITY TO IMPACT: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, or hydrocarbon fumes if heated to decomposition.

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. After all visible traces, including ignitable vapors, have been removed, thoroughly wet vacuum the area. 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 required personal protective equipment (PPE) should participate in spill

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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. Flammable vapors may cause flash fire or ignite explosively. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation). Containers may be hazardous when empty. Never use welding or cutting torch on or near container. Do not cut, drill, grind, or expose containers to heat, sparks, static electricity or other source of ignition. Explosion may occur causing injury or death.

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: Store at or under 80 degrees F. Rotate stock. Keep away from all heat and ignition sources as well as oxidizing agents.

SHELF LIFE: 18 months from manufacture date @ 90 F (32 C)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	Type		EXPOSURE LIMITS	
			ppm	mg/m ³
Calcium Carbonate	OSHA PEL	TWA	NL [1]	15 mg/m ³ [1]
		STEL	NL [2]	NL [2]
	ACGIH TLV	TWA	NL [1]	10 mg/m ³ [1]
		STEL	NL [2]	NL [2]
1-propene, 2-methyl-, Homopolymer	OSHA PEL	TWA	NL [2]	NL [2]
		STEL	NL [2]	NL [2]
	ACGIH TLV	TWA	NL [2]	NL [2]
		STEL	NL [2]	NL [2]
Odorless Mineral Spirits	OSHA PEL	TWA	500 ppm	2900 mg/m ³
		STEL	NL [2]	NL [2]
	ACGIH TLV	TWA	100 ppm	NL
		STEL	NL [2]	NL [2]
Titanium Dioxide	OSHA PEL	TWA	NL [2]	15 T [2]
		STEL	NL [2]	NL [2]
	ACGIH TLV	TWA	NL [2]	10 [2]
		STEL	NL [2]	NL [2]

Footnotes:

1. Total Inhalation
2. NL = Not Listed

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) or a full face respirator.

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.

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.

PROTECTIVE CLOTHING: Chemical resistant gloves and normal work clothing (long sleeved shirt and long

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pants).

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: Viscous Liquid

ODOR: Faint Mineral Spirits

ODOR THRESHOLD: Not Determined

COLOR: White

PHYSICAL STATE COMMENTS: Caulk

pH: Not Determined

PERCENT VOLATILE: 14.7

Notes: by weight

FLASHPOINT AND METHOD: (110°F) ASTM D56-82

FLAMMABLE LIMITS: Not Determined to Not Determined

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: Nonsoluble

PARTITION COEFFICIENT: N-OCTANOL/WATER: Not Determined

EVAPORATION RATE: >

Notes: Not Determined

DENSITY: 10.75 lbs/gal

PARTICLE SIZE: Not Determined

SPECIFIC GRAVITY: 1.29

VISCOSITY: Not Determined

MOLECULAR WEIGHT: Not Determined

(VOC): 190.5 gr/L EPA Method 24 VOC

OXIDIZING PROPERTIES: Not Determined

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.

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STABILITY: Stable.

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

POSSIBILITY OF HAZARDOUS REACTIONS: None Expected.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and hydrocarbon fumes may form when heated to decomposition.

INCOMPATIBLE MATERIALS: Avoid contact with strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Calcium Carbonate	6450 ml/kg	No data	No data
1-propene, 2-methyl-, Homopolymer	No data	No data	No data
Odorless Mineral Spirits	5000 mg/kg	3000 mg/kg	No data
Titanium Dioxide	No data	No data	No data

SERIOUS EYE DAMAGE/IRRITATION: Eyes, nose, throat, respiratory tract irritation.

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

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

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

MARINE POLLUTANT #1: None

AIR (ICAO/IATA)

SHIPPING NAME: Adhesives

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TECHNICAL NAME: Contains (Mineral Spirits)

UN/NA NUMBER: 1133

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

VESSEL (IMO/IMDG)

SHIPPING NAME: Adhesives

TECHNICAL NAME: Contains (Mineral Spirits)

UN/NA NUMBER: 1133

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

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Calcium Carbonate	471-34-1
1-propene, 2-methyl-, Homopolymer	9003-27-4
Titanium Dioxide	13463-67-7

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Combustible
Liquid



Toxic

16. OTHER INFORMATION

Date Revised: 09/13/2017

INFORMATION CONTACT: (972) 438-9111

REVISION SUMMARY: This MSDS replaces the 03/31/2017 MSDS. Revised: **Section 1:** Date Issued.

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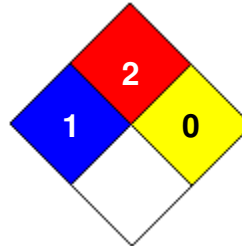
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HMIS RATING

HEALTH	*	1
FLAMMABILITY		2
PHYSICAL HAZARD		0
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.

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