

MATERIAL SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Product #3000 - Maximum Elongation Roof Coating		[WHMIS Classification] Class D - Poisonous and Infectious Materials - Division 2 - Subdivision B	
Product Use White reflective roof coating			
Manufacturer's Name Tucson Rubberized Coatings		Supplier's Name	
Street Address 6351 S. Tucson Blvd		Street Address	
City Tucson	Province Arizona	City	Province
Postal Code 85706	Emergency Telephone 520-293-7000	Postal Code	Emergency Telephone
Date MSDS Prepared 06/30/2018	MSDS Prepared By CEO	Phone Number	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	% (weight)	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
Acrylic Polymer Solution	35-50%			
Calcium Carbonate	20-30%			
Titanium Dioxide	10-20%	13463-67-7		
Propylene Glycol	0.25-1%			Ingestion/Oral-Rat LD50-20g/kg
Texanol Ester	0.1-1.5%			Ingestion/Oral-Rat LD50-3200 mg/kg

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry	<input checked="" type="checkbox"/> Skin Contact	<input checked="" type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Ingestion
[Emergency Overview] WARNING: Causes mild skin irritation. Harmful if swallowed. Do not handle until all safety precautions have been read and understood.					
[WHMIS Symbols] Class D - Poisonous and Infectious Materials - Division 2 - Subdivision B					
Potential Health Effects Inhalation of vapors may cause central nervous system depression, light-headedness, headache, nausea and loss of coordination. May cause skin irritation.					
Likely to cause eye irritation, burning, tearing etc on contact with eyes. If irritation persists, seek medical attention. Ingestion may cause irritation. May be harmful or fatal if swallowed.					

SECTION 4 — FIRST AID MEASURES

Skin Contact	If skin irritation occurs get medical attention/advice
Eye Contact	Rinse cautiously with water for several minutes. Remove any contact lenses.
Inhalation	* Inhalation of vapors or mists may cause central nervous system depression, light-headedness, headache, nausea and loss of coordination. * Under normal conditions of use, no health effects are expected.
Ingestion	Get medical attention immediately

57M6 (6/99)



SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction Water spray, fog or regular foam		
Flashpoint (° C) and Method >241 degrees F	Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)
Autoignition Temperature (°C)	Explosion Data — Product containers may rupture when exposed to extreme heat. Precautions should be taken to prevent release of materials.	
Hazardous Combustion Products * Non-combustible, substance itself does not burn but may decompose upon heating to produce toxic fumes.		
[NFPA]		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up. Avoid run off to waterways and sewers.
Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use appropriate Personal Protective Equipment (PPE) Avoid contact with strong oxidizing agents and acids

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment
KEEP OUT OF THE REACH OF CHILDREN! Keep containers tightly closed when not in use
Storage Requirements
Avoid extreme temperatures and freezing. Keep container/package tightly closed and in a well-ventilated place.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

	Result	Canada Ontario	Mexico	NIOSH	OSHA
Propylene Glycol (57-55-6)	TWAs	50 ppm TWAEV (total aerosol and vapour); 155 mg/m3 TWAEV (total aerosol and vapour); 10 mg/m3 TWAEV (for assessing the visibility in a work environment, aerosol only)	Not established	Not established	Not established
Titanium Dioxide (13463-67-7)	TWAs	10 mg/m3 TWAEV (total dust)	10 mg/m3 TWA (as Ti)	Not established	15 mg/m3 TWA (total dust)
Isopropyl Alcohol (67-63-0)	TWAs	980 mg/m3	900 mg/m3	980 mg/m3	980 mg/m3
Calcium Carbonate (1317-65-3)	TWAs	Not established	10 mg/m3 TWA	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

Personal Protective Equipment	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Respirator	<input checked="" type="checkbox"/> Eye	<input checked="" type="checkbox"/> Footwear	<input checked="" type="checkbox"/> Clothing	<input type="checkbox"/> Other
If checked, please specify type Recommend gloves, eye protection, clothes and shoes when handling						

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odour and Appearance Paint like order	Odour Threshold (ppm) No Data
Specific Gravity >1.28	Vapour Density (air = 1) >1	Vapour Pressure (mmHg) No Data
Evaporation Rate <1	Boiling Point (° C) >200 degrees F	Freezing Point (° C) <32 Degrees F
pH >8.5	Coefficient of Water/Oil Distribution	[Solubility in Water]

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? * Strong oxidizers and acids.
Reactivity, and under what conditions? Avoid Excessive heat and freezing.	
Hazardous Decomposition Products No known issues under normal usage conditions.	

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	Titanium Dioxide (10% TO 20%) 13463-67-7 Acute Toxicity: orl-rat TDLo:60 gm/kg; Irritation: skn-hmn 300 ug/3D-I-MLD
	Propylene Glycol (0.25% TO 1%) 57-55-6 Acute Toxicity: orl-rat LD50:20 gm/kg; skn-hmn TCLo:10 pph; skn-hmn TDLo:5 mg/kg/7D-I,
	Irritation: skn-hmn 500 mg/7D MLD Texanol Ester (0.1% TO 1.5%) 25265-77-4 Acute Toxicity: orl-rat LD50:3200 mg/kg; ihl-rat LC >:3500 mg/m3/6H
Effects of chronic exposure	No Data Available

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SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity]	No Data Available

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal	Dispose in accordance with local regulations

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information		
		PIN
TDG	Canada - Transportation of Dangerous Goods - Shipping Name: Not Restricted.	[DOT] United States - Department of Transportation - Shipping Name: Not Regulated.
[IMO]	International Maritime Transport Shipping Name: Not Regulated.	[CAO]

SECTION 15 — REGULATORY INFORMATION

United States

Environment

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- Calcium Carbonate 1317-65-3 25% TO 35% Not Listed
- Titanium Dioxide 13463-67-7 15% TO 25% Not Listed
- Propylene Glycol 57-55-6 0.25% TO 1% Not Listed
- Isopropyl Alcohol 67-63-0 0.1 TO 2% Not Listed
- Texanol Ester 25265-77-4 0.1% TO 1% Not Listed
- Hydroxyethylcellulose 9004-62-0 0.1% TO 1% Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

- Calcium Carbonate 1317-65-3 20% TO 30% Not Listed
- Titanium Dioxide 13463-67-7 5% TO 15% Not Listed
- Propylene Glycol 57-55-6 0.25% TO 1% Not Listed
- Isopropyl Alcohol 67-63-0 0.1 TO 2% Not Listed
- Texanol Ester 25265-77-4 0.1% TO 1% Not Listed
- Hydroxyethylcellulose 9004-62-0 0.1% TO 1% Not Listed

United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

- Calcium Carbonate 1317-65-3 25% TO 35% Toxic
- Titanium Dioxide 13463-67-7 15% TO 25% Toxic
- Propylene Glycol 57-55-6 0.25% TO 1% Combustible
- Isopropyl Alcohol 67-63-0 0.1 TO 2% Not Listed
- Texanol Ester 25265-77-4 0.1% TO 1% Not Listed
- Hydroxyethylcellulose 9004-62-0 0.1% TO 1% Not Listed

Inventory			
Component	CAS	EU EINECS	TSCA
Water	7732-18-5	Yes	Yes
Acrylic Polymer Solution	NDA	No	No
Calcium Carbonate	1317-65-3	Yes	Yes
Titanium Dioxide	13463-67-7	Yes	Yes
Hydroxyethylcellulose	9004-62-0	No	Yes
Propylene Glycol	57-55-6	Yes	Yes
Surfactant/Additive	NDA	No	No
Isopropyl Alcohol	67-63-0	Yes	Yes
Texanol Ester	25265-77-4	Yes	Yes

SECTION 16 — OTHER INFORMATION

Preparation date - 6/30/2018

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the users responsibility to verify the suitability and completeness of such information for particular use. Tucson Rubberized Coatings does not accept liability for any loss or damage that may occur from the use of this information.