



SAFETY DATA SHEET

Issuing Date 22-Feb-2017

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Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS Product Identifier

Product Name: Silicone Roof Coating

Other Means of Identification

Product Code(s): H3851, H3855, H3857

SKU#:

Synonyms: None

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: No information available.

Uses Advised Against: For Exterior Use Only

Manufacturer's Details

Manufacturer Address

ThorWorks Industries, Inc.

2520 S. Campbell St.

Sandusky, OH 44870

www.sealbest.com

1-800-326-1994

Emergency Telephone Number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This product is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3

GHS Label Elements, Including Precautionary Statements

Emergency Overview

Signal Word <ul style="list-style-type: none">• Causes skin irritation• Causes serious eye irritation• Suspected of damaging fertility or the unborn child• May cause respiratory irritation 	Warning	
Appearance: White	Physical State: Liquid	Odor: Slight

Precautionary Statements- Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands, and any exposed skin thoroughly after handling

- Avoid breathing dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area

Precautionary Statements – Response

IF exposed or concerned: Get medical attention/advice.

IF IN EYES • Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.

IF ON SKIN • Wash with plenty of soap and water. If skin irritation occurs: Get medical attention/advice. Take off contaminated clothing and wash before reuse.

IF INHALED • Remove victim to fresh air and keep at rest in a position comfortable for breathing

Precautionary Statements – Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste disposal plant

Hazard Not Otherwise Classified (HNOC)

Not applicable

Unknown acute toxicity

39% of this mixture consists of ingredients of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	Trade Secret
Octamethylcyclotetrasiloxane	556-67-2	1-10	*
Nepheline syenite	37244-96-5	10-45	*
Polysiloxanes	Proprietary	25-65	*
Titanium Dioxide	13463-67-7	1-15	*
2-Butanone, O,O,O-(methylsilylydyne)trioxime	22984-54-9	1-10	*
Silica, amorphous, fumed, crystalline-free	112945-52-5	1-10	*

**The exact percentage of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of Necessary First-Aid Measures

General Advice	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray.
Eye Contact	Rinse thoroughly with plenty of water. After initial rinsing, remove any contact lenses and continue rinsing for at least 15 minutes. Keep eye open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician. Wash contaminated clothing before reuse.
Inhalation	Move to fresh air. If breathing is irregular, or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If symptoms persist, call a physician.
Ingestion	Drink plenty of water. Do NOT induce vomiting without medical advice. Rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician if necessary.
Self-protection of the first aider	Use personal protective equipment as required.

Most Important Symptoms/Effects. Acute and Delayed

Most Important Symptoms/Effects May cause redness and tearing of the eyes. Coughing and/or wheezing. May cause skin irritation. Drowsiness. Dizziness.

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

Notes to Physician Treat Symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon Dioxide (CO₂). Dry Chemical. Dry Sand. Alcohol-resistant Foam.

Unsuitable Extinguishing Media The use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available

Explosion Data

Sensitivity to Mechanical Impact

None

Sensitivity to Static Discharge

None

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure- demand MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Personal Precautions: Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

Environmental Precautions

Environmental Precautions: See Section 12 for additional Ecological Information. Prevent product from entering waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

Methods and Materials for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Cover liquid spill with sand, earth or other non-combustible absorbent material. Use personal protective equipment as required. Dam up. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing. Wear personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities

Storage: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

Incompatible Products: Strong oxidizing agents. Strong acids. Strong Bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium Dioxide 13463-67-7	TWA 10 mg/m ³	TWA 15 mg/m ³ total dust	IDHL: 5000 mg/m ³

Appropriate Engineering Controls

Engineering Measures: Showers
Eyewash Stations
Ventilation Systems

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear safety glasses with side shields (or goggles).

Skin and Body Protection: Wear protective gloves and protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State: Liquid
Odor: Slight

Appearance: White
Odor Threshold: No Information Available

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	6-11	
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	> 100° C	
Flash Point	> 100° C	Pensky-Martens Closed Cup (PMCC)
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Density	1.2 – 1.3	
Water Solubility	Insoluble in water	
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	No data available	
Explosive Properties	Not an explosive	
Oxidizing Properties	Not applicable	
VOC Content	No data available	

10. STABILITY AND REACTIVITY

Reactivity: No data available
Chemical Stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions: None under normal processing.
Conditions to Avoid: Extremes of temperatures and direct sunlight
Incompatible Materials: None known based on information supplied
Hazardous Decomposition Products: None known based on information supplied

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation: May cause irritation
Eye Contact: Severely irritating to the eyes.
Skin Contact: Irritating to the skin.
Ingestion: No data available

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Polysiloxanes	> 15,400 mg/kg (Rat)	> 16 mL/kg (Rabbit)	> 8750 mg/m ³ (Rat) 7 h
Octamethylcyclotetrasiloxane 556-67-2	= 1540 mg/kg (Rat)	794 µL/kg (Rabbit)	= 36 mg/m ³ (Rat) 4 h
Silica, amorphous, fumed, crystalline-free 112945-52-5	= 3160 mg/kg (Rat)	-	-
Titanium Dioxide 13463-67-7	> 10,000 mg/kg (Rat)	-	-

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics

Symptoms: No information available

Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure

Sensitization: No information available.
Mutagenic Effects: No information available.
Carcinogenicity: This product contains titanium dioxide which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is a liquid. The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IRAC	NTP	OSHA
Silica, amorphous, fumed, crystalline-free 112945-52-5	-	Group 3	-	-
Titanium Dioxide 13463-67-7	-	Group 2B	-	X

ACGIH: (American Conference of Governmental Industrial Hygienists)

IRAC: (International Agency for Research on Cancer)

NTP: (National Toxicity Program)

OSHA: (Occupational Safety & Health Administration)

Reproductive Toxicity: May impair fertility.
STOT - Single Exposure: Target Organs. Respiratory system. Eyes. Skin.
STOT – Repeated Exposure: No information available.
Target Organ Effects Lungs, Respiratory system
Aspiration Hazard: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

89% of the mixture consists of components of unknown hazards to the aquatic environment.

Persistence and Degradability: No information available.
Bioaccumulation: Bioaccumulation potential

Chemical Name	Partition coefficient
Octamethylcyclotetrasiloxane 556-67-2	5.1

Other Adverse Effects: No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Contaminated Packaging: Do not re-use containers.

14. TRANSPORTATION INFORMATION

DOT: Not regulated
TDG: Not regulated
IATA: Not regulated
IMDG: Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA – Complies
DSL/NDSL – Complies
EINECS/ELINCS - Complies
IECSC – Complies
KECL – Complies
PICCS – Complies
AICS – Complies

Legend

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
IECSC – China Inventory of Existing Chemical Substances
KECL – Korean Existing and Evaluated Chemical Substances
PICCS – Philippines Inventory of Chemicals and Chemical Substances
AICS – Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65: This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Titanium Dioxide - 13463-67-7	Carcinogen

U.S. State Right-To-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Titanium Dioxide	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number: Not applicable

16. OTHER INFORMATION

NFPA	Health Hazard: 1	Flammability: 1	Instability: 0	Physical and Chemical Hazards- Personal Protection: X
HMIS	Health Hazard: 1	Flammability: 1	Physical Hazard: 0	

Revision Date: 22-Feb-2017

Revision Note: Added additional Product Code (H3857).

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.