



Safety Data Sheet

Issue date 03-24-20



1. IDENTIFICATION

Product Identity: Crazy Seal® Membrane
Product Code:
Product Use: Silicone waterproofing
Details of the Supplier of the Safety Data Sheet:
 Crazy Seal Products, Inc.
 4654 East State Road 64 # 204, Bradenton, FL 34208
Contact: Telephone: (800) 963-0131
 Website: www.crazyseal.com

2. HAZARDS IDENTIFICATION

Classification of the Substance

Flammable liquids Category 4	H227	Combustible liquid
Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation Category 2A	H319	Causes serious eye irritation
Skin sensitization Category 1	H317	May cause an allergic skin reaction
Carcinogenicity Category 1A	H350	May cause cancer
Reproductive toxicity Category 1B	H360	May damage fertility or the unborn child
Specific target organ toxicity (repeated exposure) Category 1	H372	Causes damage to lungs & kidneys through prolonged or repeated exposure

Label Elements, Including Precautionary Statements

Signal Word: DANGER



Pictograms:

Hazard Statements:

- Combustible liquid
- Causes skin irritation
- May cause an allergic skin reaction
- Causes serious eye irritation
- May cause cancer
- May damage fertility or the unborn child
- Causes damage to lungs and kidneys through prolonged or repeated exposure

Precautionary Statements:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapors and spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves, protective clothing, eye and face protection. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical attention. Get medical attention if you feel unwell. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use media other than water to extinguish. Store in a well ventilated place. Keep cool. Store locked up. Dispose of contents and container in accordance with applicable regulations.

Other Hazards which do not Result in Classification

No additional information available

Unknown Acute Toxicity

Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	Product identifier	%*	GHS US classification
Dimethylpolysiloxanes, silanol terminated	(CAS-No.) 70131-67-8	40 - 60	Repr. 2, H361
Crystalline silica (quartz)	(CAS-No.) 14808-60-7	5 - 20	Carc. 1A, H350 STOT RE 1, H372
Methyltrisbutanoneoxime silane (MOS)	(CAS-No.) 22984-54-9	5 - 20	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Titanium dioxide	(CAS-No.) 13463-67-7	< 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335
Dibutyltin dilaurate	(CAS-No.) 77-58-7	< 5	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Inhalation: vapor), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Repr. 1B, H360 STOT RE 1, H372

Name	Product identifier	%*	GHS US classification
Octamethylcyclotetrasiloxane	(CAS-No.) 556-67-2	< 5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Repr. 2, H361 Aquatic Chronic 4, H413

* Exact percentage of composition have been withheld as a trade secret

Full text of H statements: see section 16

4. FIRST AID MEASURES

Description of First Aid Measures

General Advice: If exposed or concerned: Get medical attention.

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Skin Contact: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical attention.

Eye Contact: 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.

Ingestion: Call a poison center or a doctor if you feel unwell.

Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact: Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact: Eye irritation.

Immediate medical attention and special treatment, if necessary

Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media

Suitable: Water spray. Dry powder. Foam. Carbon dioxide.

Specific Hazards Arising from the Chemical

Fire hazard: Combustible liquid.

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Special Protective Equipment and Precautions for Firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions / Protective Equipment / Emergency Procedures

For non-emergency personnel: **Emergency procedures:** No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe vapors and spray.

For emergency responders: **Protective equipment:** Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental Precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

Methods and Materials for Containment and Cleaning Up

Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Dispose of materials or solid residues at an authorized site.

For further information: refer to section 13

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Ensure good ventilation of the work area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product to the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe vapors and spray. Avoid contact with skin and eyes.

Hygiene measures: Separate work clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for Safe Storage, Including any Incompatibilities

Store in a well ventilated place. Keep cool. Store locked up.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Octamethylcyclotetrasiloxane (556-67-2)		
AIHA	WEEL TWA (ppm)	10 ppm
Dibutyltin dilaurate (77-58-7)		
OSHA	OSHA PEL (TWA) (mg/m ³)	0.1 mg/m ³
Crystalline silica (quartz) (14808-60-7)		
ACGIH	ACGIH TWA (mg/m ³)	0.025 (Repairable dust)
OSHA	OSHA PEL (TWA) (mg/m ³)	10 mg/m ³ (%SiO ₂ + 2) (respirable dust) 30 mg/m ³ (%SiO ₂ + 2) (total dust)
NIOSH	NIOSH REL (TWA) (mg/m ³)	0.05 mg/m ³ (respirable dust)
Titanium dioxide (13463-67-7)		
ACGIH	Local name	Titanium dioxide
ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³

Octamethylcyclotetrasiloxane (556-67-2)		
ACGIH	Remark (ACGIH)	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
ACGIH	Regulatory reference	ACGIH 2020
OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Appropriate Engineering Controls

Ensure good ventilation of the work area. Avoid release to the environment.

Individual Protection Measures / Personal Protective Equipment

Hand Protection: Protective gloves

Eye Protection: Safety glasses

Skin / Body Protection: Wear suitable protective clothing

Respiratory Protection: Wear respiratory protection

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical state	Liquid
Appearance	Viscous Liquid
Color	White
Odor	Leather-Like, Characteristic (MOS) odor
Odor threshold	No data available
pH	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	145.4 °F
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	Not applicable
Vapor pressure	No data available
Relative vapor density at 20 °C	No data available
Specific gravity	1.15 g/l
Relative density	No data available
Solubility	Insoluble in water
Log Pow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	18000 cP
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Other Information

Percent Solids	80%
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10. STABILITY AND REACTIVITY

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: No dangerous reactions known under normal conditions of use.

Conditions to Avoid: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

Incompatible Materials: No additional information available

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

Methyltrisbutanoneoxime silane (MOS) (22984-54-9)	
LD50 oral rat	2463 mg/kg
ATE US (oral)	2463 mg/kg body weight
Octamethylcyclotetrasiloxane (556-67-2)	
LD50 oral rat	2000
LD50 dermal rat	2400 mg/kg
LC50 inhalation rat (mg/l)	36 mg/l/4h
ATE US (oral)	2000 mg/kg body weight
ATE US (dermal)	2400 mg/kg body weight
ATE US (vapors)	36 mg/l/4h
ATE US (dust, mist)	36 mg/l/4h
Dibutyltin dilaurate (77-58-7)	
ATE US (oral)	100 mg/kg body weight
ATE US (vapors)	0.05 mg/l/4h
Crystalline silica (quartz) (14808-60-7)	
LD50 oral rat	> 22500 mg/kg

IARC group	1 - Carcinogenic to humans
In OSHA Hazard Communication Carcinogen list	Yes
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure
Skin corrosion/irritation	Causes skin irritation
Serious eye damage/irritation	Causes serious eye irritation
Respiratory or skin sensitization	May cause an allergic skin reaction
Germ cell mutagenicity	Not classified
Carcinogenicity	May cause cancer
Titanium dioxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans
STOT-single exposure	May cause respiratory irritation
Reproductive toxicity	May damage fertility or the unborn child
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure
Dibutyltin dilaurate (77-58-7)	
STOT-repeated exposure	Causes damage to gastrointestinal tract (GI), liver, nerves, blood, central nervous system (CNS), eyes, kidneys, respiratory system, skin and urinary tract through prolonged or repeated exposure
Aspiration hazard	Not classified
Viscosity, kinematic	No data available
Symptoms/effects after skin contact	Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	Eye irritation

12. ECOLOGICAL INFORMATION

Toxicity: Ecology – general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Persistence and Degradability: No additional information available

Bioaccumulative Potential: No additional information available

Mobility in Soil: No additional information available

Other Adverse Effects: No additional information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Waste treatment method: Dispose of contents and container in accordance with licensed collector's sorting instructions.

14. TRANSPORT INFORMATION

Road Transport: In accordance with DOT Not applicable

Sea Transport: Not applicable

Air Transport: Not applicable

15. REGULATORY INFORMATION

US Federal Regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

International Regulations

No additional information available

US State Regulations



WARNING:

This product can expose you to titanium dioxide and crystalline silica (quartz), which are known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

Name	CAS-No.	U.S. – California – Proposition 65 – Carcinogens List	U.S. – California – Proposition 65 – Developmental Toxicity	U.S. – California – Proposition 65 – Reproductive Toxicity – Female	U.S. – California – Proposition 65 – Reproductive Toxicity – Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Titanium dioxide	13463-67-7	X	--	--	--	--	--
Crystalline silica (quartz)	14808-60-7	X	--	--	--	--	--

16. OTHER INFORMATION

Full text of H-phrases:

H226	Flammable liquid and vapor	H335	May cause respiratory irritation
H227	Combustible liquid	H341	Suspected of causing genetic defects
H301	Toxic if swallowed	H350	May cause cancer
H302	Harmful if swallowed	H351	Suspected of causing cancer
H314	Causes severe skin burns and eye damage	H360	May damage fertility or the unborn child
H315	Causes skin irritation	H361	Suspected of damaging fertility or the unborn child
H317	May cause an allergic skin reaction	H372	Causes damage to organs through prolonged or repeated exposure
H318	Causes serious eye damage		
H319	Causes serious eye irritation	H413	May cause long lasting harmful effects to aquatic life
H330	Fatal if inhaled		

Issue Date: 03/24/2020

Supersedes: n/a – New Product

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical and application of such products is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the sole responsibility of the user to comply with all applicable Federal, State and Local Laws and Regulations. Any questions with regards to information contained herein should be referred to Crazy Seal Products, Inc. (800) 963-0131.

Crazy Seal® Membrane SDS