



SAFETY DATA SHEET

This safety data sheet complies with the requirements of: GB/T 17519-2013

Issue Date 11/7/2023

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Version 1

Product identifier

Product Name 792HS High Solids Silicone Roof Coating

Other means of identification

Product Code 3000-005

Synonyms Silicone Roof Coating

Recommended use of the chemical and restrictions on use

Recommended Use Reflective Roof Coating.

Uses advised against For exterior use only. Do not use indoors.

Details of the supplier of the safety data sheet

Manufacturer Address AguaSeal Acquisition, LLC
3609 River Road
Johns Island, SC 29455
(843) 614-9663

Emergency telephone number Call CHEMTREC Day or Night:

Emergency Telephone Within USA and Canada: 1-800 424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Carcinogenicity

Category 1A

Label elements

Emergency Overview

Danger

Hazard statements

May cause cancer



Appearance Opaque liquid

Physical state Liquid

Odor Peppermint

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

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Unknown acute toxicity 35% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Synonyms Roof Coating.

Chemical Name	CAS No.	Weight-%	Trade Secret
Dimethyl siloxane, hydroxy-terminated	70131-67-8	48 - 55%	*
Silica, quartz	14808-60-7	30 - 40%	*
Titanium Dioxide	13463-67-7	0 - 10%	*
Methyl Tris (MEKO) Silane	22984-54-9	0 - 10%	*
N-(3-(trimethoxysilyl)propyl)ethylenediamine	1760-24-3	0-5%	*
Dibutyltin dilaurate	77-58-7	0-1%	*

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms None known for product as a whole.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Water.

Specific hazards arising from the chemical

The product causes irritation of eyes, skin and mucous membranes.

Explosion data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

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 Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

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

Methods for cleaning up Pick up the absorbed material (described just above) and transfer to properly labeled containers for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Silica, quartz 14808-60-7	TWA: 0.025 mg/m ³ respirable particulate matter	TWA: 50 µg/m ³ TWA: 50 µg/m ³ excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays (vacated) TWA: 0.1 mg/m ³ respirable dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction	IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust
Titanium Dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³ TWA: 2.4 mg/m ³ CIB 63 fine TWA: 0.3 mg/m ³ CIB 63 ultrafine, including engineered nanoscale
Dibutyltin dilaurate 77-58-7	STEL: 0.2 mg/m ³ Sn TWA: 0.1 mg/m ³ Sn S*	TWA: 0.1 mg/m ³ Sn (vacated) TWA: 0.1 mg/m ³ Sn (vacated) S*	IDLH: 25 mg/m ³ Sn TWA: 0.1 mg/m ³ except Cyhexatin Sn

Appropriate engineering controls

Engineering Controls	Showers Eyewash stations Ventilation systems.
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Individual protection measures, such as personal protective equipment

Eye/face protection	No special technical protective measures are necessary.
Skin and body protection	No special technical protective measures are necessary.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respiratory protection should be worn.

General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Peppermint
Appearance	Opaque liquid	Odor threshold	Not applicable
Color	White Black Grey		
Property	Values	Remarks • Method	
pH	7	Not applicable	
Melting point/freezing point	N/A ° F None / -94		
Boiling point / boiling range	> 100 > 212	Not applicable	
Flash point	>100 >212		
Evaporation rate	N/A		
Flammability (solid, gas)	N/A	Not applicable	
Flammability Limit in Air		For exterior use only. Do not use indoors.	
Upper flammability limit:	Non-Flammable		
Lower flammability limit:	Non-Flammable		
Vapor pressure	Not Determined		
Vapor density	Not Determined		
Specific Gravity	1.5		
Water solubility	Insoluble in water		
Solubility in other solvents	Soluble in aromatic and aliphatic solvents.		
Partition coefficient	Undetermined	No data available.	
Autoignition temperature	None		
Decomposition temperature	Not Determined		
Kinematic viscosity	Undetermined		
Dynamic viscosity	30,000 cps		
Explosive properties	Not applicable		
Oxidizing properties	Not applicable		

Other Information

Softening point	Not applicable
Molecular weight	< 25
VOC Content (%)	Less than 50 g/l
Density	11.5
Bulk density	Not applicable

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 temperature 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 Compounded product is considered non-hazardous.

Inhalation No data available.

Eye contact No data available.

Skin contact No data available.

Ingestion No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethyl siloxane, hydroxy-terminated 70131-67-8	> 15400 mg/kg (Rat)	> 16 mL/kg (Rabbit)	> 8750 mg/m ³ (Rat) 7 h
Titanium Dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
N-(3-(trimethoxysilyl)propyl)ethylene diamine 1760-24-3	= 2413 mg/kg (Rat) = 7460 µL/kg (Rat)	-	-
Dibutyltin dilaurate 77-58-7	= 175 mg/kg (Rat) = 45 mg/kg (Rat)	= 630 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms No symptoms were observed.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause sensitization of susceptible persons.
Germ cell mutagenicity Not classified.
Carcinogenicity The table below indicates whether each agency (ACGIH, IARC, NTP, or OSHA) has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Silica, quartz 14808-60-7	A2	Group 1	Known	X
Titanium Dioxide 13463-67-7	-	Group 2B	-	X

Reproductive toxicity None known for product as a whole.

STOT - single exposure Not classified.

STOT - repeated exposure Not classified.

Aspiration hazard Not applicable.

Numerical measures of toxicity - No information available

The following values are calculated based on chapter 3.1 of the GHS document For exterior use only. Do not use indoors.

ATEmix (oral) 14,434.30
ATEmix (dermal) 14,869.73

12. ECOLOGICAL INFORMATION

Ecotoxicity

14.75% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Dibutyltin dilaurate 77-58-7	-	2: 48 h Oryzias latipes mg/L LC50	-

Persistence and degradability

Not readily biodegradable.

Bioaccumulation

unknown.

Other adverse effects

No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable local, regional, national and international laws and regulations.

Contaminated packaging Do not reuse container.

Chemical Name	California Hazardous Waste Status
Dibutyltin dilaurate 77-58-7	Toxic

14. TRANSPORT INFORMATION

Note: Not classified as dangerous in the meaning of sea and air transport regulations

DOT Not regulated.

TDG Not regulated.

MEX Not regulated.

ICAO (air) Not regulated.

IATA Not regulated.

IMDG Not regulated.

RID Not regulated.

ADR Not regulated.

ADN Not regulated.

15. REGULATORY INFORMATION

International Inventories

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New 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

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any 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	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as 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 hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Silica, quartz - 14808-60-7	Carcinogen
Titanium Dioxide - 13463-67-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Silica, quartz 14808-60-7	X	X	X
Titanium Dioxide 13463-67-7	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards 1	Flammability 1	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 1	Flammability 1	Physical hazards 0	Personal protection X

Prepared By	Prepared by Perry Smith
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Revision Note

Cleaner

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet