

SAFETY DATA SHEET

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1. Identification

Product identifier: BLUESIL THIXO ADD 22646**Additional identification:****Chemical name:** Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethoxylated propoxylated**CAS-No.:** 68937-55-3**Recommended use and restriction on use****Recommended use:** Additive**Restrictions on use:** None known.**Manufacturer/Importer/Supplier/Distributor Information****Supplier****Company Name:** Bluestar Silicones USA Corp.
Address: Two Tower Blvd, Suite 1601
08816-1100 East Brunswick, NJ
Telephone: +1 (732) 227-2060
Fax: +1 (732) 249-7000**Emergency telephone number:** +1 (800) 424-9300 CHEMTREC

2. Hazard(s) identification

Hazard Classification**Health Hazards**

Toxic to reproduction

Category 2

Label Elements**Hazard Symbol:****Signal Word:** Warning**Hazard Statement:** Suspected of damaging fertility.**Precautionary Statement****Prevention:** Use personal protective equipment as required.**Response:** If exposed or concerned: Get medical advice/attention.

Other hazards which do not result in GHS classification:

Chemical compounds containing silicon - hydrogen bonds (SiH).

3. Composition/information on ingredients

Substances

General information:

INDEX No.:

CAS-No.: 68937-55-3

EC No.:

REACH Registration No.:

Purity:

Synonyms:

Composition information of impurities and stabilizers

Chemical Identity	CAS number	Content in percent (%)*
Octamethylcyclotetrasiloxane	556-67-2	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

General information:

For further information refer to section 8 "Exposure-controls/personal protection".

Ingestion:

Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if symptoms occur.

Inhalation:

Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin Contact:

Immediately wipe excess material off skin with a dry cloth; then wash skin with plenty of soap and water. Seek medical attention if irritation develops or persists.

Eye contact:

In case of contact, immediately absorb excess with clean absorbent cloth or cotton. Then, hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.

Most important symptoms/effects, acute and delayed

Symptoms: None known.

Hazards: No specific recommendations.

Indication of immediate medical attention and special treatment needed

Treatment: No specific recommendations.

5. Fire-fighting measures

General Fire Hazards:

No specific recommendations.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Dry chemical, alcohol resistant foam or carbon dioxide (CO2).

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire. Do not use alkaline powders.

Specific hazards arising from the chemical: For further information, refer to Section 10: "Stability and Reactivity". Product will burn under fire conditions. Hazardous Decomposition Products : formaldehyde, oxides of carbon and silica.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: Water spray should be used to cool containers.

Special protective equipment for fire-fighters: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Avoid contact with bases. Eliminate all sources of ignition.

Methods and material for containment and cleaning up: Avoid contact with bases. Absorb with inert material. Scrape up and place in appropriate closed container see Section 7 of the SDS.

Notification Procedures: Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.

Environmental Precautions: Do not allow to enter drains, sewers or watercourses.

7. Handling and storage

Precautions for safe handling: Provide sufficient ventilation during operations which cause vapor formation. Do not mix with incompatible materials. For further information, refer to Section 10: "Stability and Reactivity". Read and follow manufacturer's recommendations.

Conditions for safe storage, including any incompatibilities: Store in tightly closed original container. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

8. Exposure controls/personal protection**Control Parameters****Occupational Exposure Limits**

None of the components have assigned exposure limits.

Appropriate Engineering Controls

No specific recommendations.

Individual protection measures, such as personal protective equipment

General information:	Provide sufficient ventilation during operations which cause vapor formation. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air.
Eye/face protection:	Wear approved safety glasses.
Skin Protection	
Hand Protection:	Protective gloves are recommended.
Other:	Wear suitable protective clothing.
Respiratory Protection:	No protection is ordinarily required under normal conditions of use and with adequate ventilation.
Hygiene measures:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties:****Appearance**

Physical state:	Liquid
Form:	Viscous
Color:	Colorless to pale yellow
Odor:	Characteristic
Odor threshold:	No data available.
pH:	Approximate 6
Freezing point:	No data available.
Boiling Point:	No data available.
Flash Point:	> 356 °F (180 °C) (Closed cup according to method Afnor T 60103.)
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Vapor pressure:	< 0.1 hPa (68 °F (20 °C))
Vapor density:	No data available.
Relative density:	1.03 (68 °F (20 °C)) Approximate
Solubility(ies)	
Solubility in water:	Miscible with water.
Solubility (other):	Acetone.: Miscible (in all proportions). Ethanol.: Miscible (in all proportions). Diethylether.: Miscible (in all proportions). Aliphatic hydrocarbons.: Miscible (in all proportions). Aromatic hydrocarbons.: Miscible (in all proportions). Chlorinated solvents.: Miscible (in all proportions).
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	1,800 mm ² /s (77 °F (25 °C), Approximate)

Other information

Oxidizing properties: According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	This product may generate hydrogen gas.
Conditions to avoid:	None known.
Incompatible Materials:	A fire or explosion hazard arises because highly flammable gas (hydrogen) is released when it is in contact with : Strong oxidizers, strong bases and chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.
Hazardous Decomposition Products:	Thermal decomposition may liberate dimethylcyclosiloxanes. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air.

11. Toxicological information**Information on likely routes of exposure**

Ingestion:	No data available.
Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion:	No data available.
Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

Information on toxicological effects**Acute toxicity (list all possible routes of exposure)**

Oral Product:	LD 50 (Rat): 5,000 mg/kg
Dermal Product:	No data available.
Inhalation Product:	No data available.
Specified substance(s): Octamethylcyclotetrasiloxane	LC 50 (Rat, 4 h): 36 mg/l

Repeated dose toxicity**Product:** May be slightly irritating to skin and eyes.**Skin Corrosion/Irritation****Product:** Slightly irritating.**Serious Eye Damage/Eye Irritation****Product:** Slightly irritating.**Respiratory or Skin Sensitization****Product:** No data available.**Specified substance(s):**

Octamethylcyclotetrasiloxane (Pig)Not a skin sensitizer.

Carcinogenicity**Product:** No data available.**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity**In vitro****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane Bacteria: No mutagenic components identified.
Chromosomal aberration: No mutagenic components identified.**In vivo****Product:** No data available.**Specified substance(s):**

Octamethylcyclotetrasiloxane (Rat)No mutagenic components identified.

Reproductive toxicity**Product:** No data available.**Specific Target Organ Toxicity - Single Exposure****Product:** No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.**Aspiration Hazard****Product:** No data available.**Other effects:**

No data available.

12. Ecological information**Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** LC 50 (Fish, 96 h): > 100 mg/l**Aquatic Invertebrates****Product:** EC 50 (Water flea (Daphnia magna), 48 h): > 100 mg/l**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane
NOEC (Oncorhynchus mykiss, 93 d): ≥ 0.0044 mg/l**Aquatic Invertebrates****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane
NOEC (Water flea (Daphnia magna), 21 d): 0.0079 mg/l**Toxicity to Aquatic Plants****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane
EC 50 (Green algae (Selenastrum capricornutum), 96 h): > 0.022 mg/l**Persistence and Degradability****Biodegradation****Product:** The product is not readily biodegradable.**BOD/COD Ratio****Product:** No data available.**Bioaccumulative Potential****Bioconcentration Factor (BCF)****Product:** The product is not bioaccumulating.**Partition Coefficient n-octanol / water (log Kow)****Product:** No data available.**Mobility in Soil:** No data available.**Known or predicted distribution to environmental compartments**Octamethylcyclotetrasiloxane
No data available.

Other Adverse Effects: No data available.

13. Disposal considerations

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Waste of this material should not be mixed with other waste.

14. Transport information

This material is not subject to transport regulations.

Environmental hazards: Not regulated.

Special precautions for user: No special precautions.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):
None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Acute (Immediate) Chronic (Delayed) Fire Reactive Pressure Generating

SARA 302 Extremely Hazardous Substance
None present or none present in regulated quantities.

SARA 304 Emergency Release Notification
None present or none present in regulated quantities.

SARA 313 (TRI Reporting)
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65
No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act
No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

Australia AICS:	On or in compliance with the inventory.
Canada DSL Inventory List:	On or in compliance with the inventory.
EINECS, ELINCS or NLP:	On or in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory.

16. Other information, including date of preparation or last revision

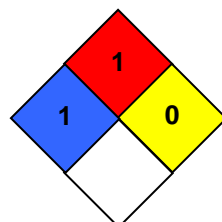
HMIS Hazard ID

Health	* 1
Flammability	1
Physical Hazards	0
PERSONAL PROTECTION	B

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID



- Flammability
- Health
- Reactivity
- Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Issue Date: 12/14/2016

Revision Date: No data available.

Version #: 6.0

Further Information: No data available.

Disclaimer: The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.