

SAFETY DATA SHEET

1. Identification

Product identifier: BLUESIL EMUL 3500

Other means of identification

Synonyms: RHODORSIL EMULSION 3500

Recommended use and restriction on use

Recommended use: Lubricant

Restrictions on use: None known.

Manufacturer/Importer/Supplier/Distributor Information

Manufacturer

Company Name: Bluestar Silicones USA Corp.
Address: 7979 Park Place Road
29745 York, SC
Telephone: +1 (803) 792-3000
Fax: +1 (803) 684-7202
Contact Person:
e-mail: product.stewardship@bluestarsilicones.com

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
Contact Person:
e-mail: product.stewardship@bluestarsilicones.com

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 or the unborn child.

Precautionary Statement

- Prevention:** Use personal protective equipment as required.
- Response:** If exposed or concerned: Get medical advice/attention.
- Storage:** Store in well-ventilated place.
- Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification: No data available.

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Octamethylcyclotetrasiloxane	D4,	556-67-2	0.1 - 1%

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

Composition Comments: Aqueous emulsion of polyorganosiloxanes, additives.

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:** Remove contaminated clothing and shoes. 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: None known.

Specific hazards arising from the chemical: Material will burn if water evaporates from emulsion, and it is heated above its flash point. 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. Use water to keep fire exposed containers cool and disperse vapors.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.

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

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

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

7. Handling and storage

Precautions for safe handling: Provide adequate ventilation if fumes or vapors are generated. See Section 8 of the MSDS for Personal Protective Equipment. For further information, refer to Section 10: "Stability and Reactivity".

Conditions for safe storage, including any incompatibilities: Store in tightly closed original container in a dry, cool and well-ventilated place.

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.

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection

Hand Protection: Protective gloves are recommended.

Other: Wear suitable protective clothing.

Respiratory Protection: If ventilation is insufficient, suitable respiratory protection must be provided.

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: Milky white

Odor: Slight odor

Odor threshold: No data available.

pH: 8.0

Melting point/freezing point: 32 °F (0 °C)

International Inventories: 212 °F (100 °C)

Flash Point: > 212 °F (100 °C) Aqueous liquid for which the organic components have flash point > 100 °C.

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: 3 hPa (68 °F (20 °C))

Vapor density: No data available.

Relative density: 0.99 (77 °F (25 °C))

Solubility(ies)

Solubility in water: Dispersible

Solubility (other): No data available.

Partition coefficient (n-octanol/water): No data available.

Auto-ignition temperature: No data available.

Decomposition temperature: No data available.

Viscosity: No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Stable
Possibility of Hazardous Reactions:	Will not occur.
Conditions to Avoid:	None known.
Incompatible Materials:	Strong oxidizers, strong acids, and strong bases.
Hazardous Decomposition Products:	Thermal decomposition may liberate oxides of carbon and amorphous silica.

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:	No data available.
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:	No data available.
Specified substance(s):	
Octamethylcyclotetrasiloxane	NOAEL (Rat, Inhalation, 24 months): 1.820 mg/l

ane NOAEL (Rabbit, Dermal, 3 weeks): 960 mg/kg

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane (Rabbit, 24 h): Not irritating

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane (Rabbit, 24 h): Not 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:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane LC 50 (Oncorhynchus mykiss, 96 h): ≥ 0.022 mg/l**Aquatic Invertebrates****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane EC 50 (Water flea (Daphnia magna), 48 h): > 0.015 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:** No data available.**Specified substance(s):**

Octamethylcyclotetrasiloxane 3.7 % (29 d)

BOD/COD Ratio

Product: No data available.

Bioaccumulative Potential**Bioconcentration Factor (BCF)**

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 12,400

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.

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.

No ingredient regulated by PA 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

EU EINECS List: On or in compliance with the inventory

Japan (ENCS) List: On or in compliance with the inventory

Korea Existing Chemicals Inv. (KECI): On or in compliance with the inventory

US TSCA Inventory: On or in compliance with the inventory

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

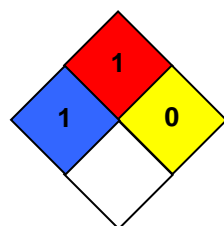
HMIS Hazard ID

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; *Chronic health effect

NFPA Hazard ID



Flammability
 Health
 Reactivity
 Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue Date: 05/25/2015

Revision Date: No data available.

Version #: 8.0

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.