

SILBIONE MDM 12,500

Date Prepared: 4/06/10

Supersedes Date: 8/09/07

## 1. PRODUCT AND COMPANY DESCRIPTION

Bluestar Silicones  
320 West Stanley Avenue  
Ventura, CA US

### Emergency Phone Numbers:

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT  
CONTACT: CHEMTREC (800-424-9300 within the United States or  
703-527-3887 for international collect calls).

### For Product Information:

805-653-5638

### Chemical Name or Synonym:

POLYDIMETHYLSILOXANE

### Molecular Formula:

(C<sub>2</sub>H<sub>6</sub>OSi)<sub>n</sub>

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Reg Number	OSHA Hazard	Percentage
POLY(DIMETHYL)SILOXANE	*****	N	100

## 3. HAZARDS IDENTIFICATION

### A. EMERGENCY OVERVIEW:

#### Physical Appearance and Odor:

clear viscous liquid, odorless.

#### Warning Statements:

Based on currently available data, this product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling it.

### B. POTENTIAL HEALTH EFFECTS:

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**Acute Eye:**

Slightly irritating. May cause redness, irritation.

**Acute Skin:**

Low acute dermal toxicity. Non-irritating.

**Acute Inhalation:**

Inhalation not likely.

**Acute Ingestion:**

Low acute oral toxicity.

**Chronic Effects:**

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

**4. FIRST AID MEASURES****FIRST AID MEASURES FOR ACCIDENTAL:****Eye Exposure:**

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.

**Skin Exposure:**

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.

**Inhalation:**

Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

**Ingestion:**

NEVER attempt to induce vomiting. Consult a doctor if necessary. Rinse mouth out with water.

**MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:**

No specific information found.

**NOTES TO PHYSICIAN:**

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Treat symptomatically. No specific antidote available.

**5. FIRE FIGHTING MEASURES**

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**FIRE HAZARD DATA:****Flash Point:**

> 301 C (574 F). Flammability Class: WILL BURN.

**Method Used:**

Tagliabue Closed Cup

**Flammability Limits (vol/vol%):**

**Lower:**  
No Data

**Upper:**  
No Data

**Extinguishing Media:**

Recommended: dry chemical, foam, carbon dioxide.

**Special Fire Fighting Procedures:**

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Cool containers exposed to fire with water.

**Unusual Fire and Explosion Hazards:**

Product will burn under fire conditions.

**Hazardous Decomposition Materials (Under Fire Conditions):**

formaldehyde  
oxides of carbon  
silica

**6. ACCIDENTAL RELEASE MEASURES****Evacuation Procedures and Safety:**

Wear appropriate protective gear for the situation. See Personal Protection information in Section 8. CAUTION: Spilled material may make the floor slippery. Do not leave traces of product on floors, ladders, etc., as this may present a slipping hazard.

**Containment of Spill:**

Follow procedure described below under Cleanup and Disposal of Spill.

**Cleanup and Disposal of Spill:**

Absorb with an inert absorbent. Scrape up and place in appropriate closed container (see Section 7: Handling and Storage). Clean up residual material with an appropriate solvent like paint thinner or mineral spirits, provided that there is good ventilation and no sources of ignition.

**Environmental and Regulatory Reporting:**

Do not flush to drain.

**7. HANDLING AND STORAGE**

**Minimum/Maximum Storage Temperatures:**

5 to 25 C (41 to 77 F)

**Handling:**

Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes.

**Storage:**

Store in tightly closed containers. Recommended container material: epoxy-coated steel, plastic, polyethylene, Store in an area that is dry, well-ventilated.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Introductory Remarks:**

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limit for formaldehyde.

**Exposure Guidelines:**

No exposure limits were found for this product or any of its ingredients.

**Engineering Controls:**

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation.

**Respiratory Protection:**

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

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For reasonably foreseeable industrial end uses of this material, respiratory protection should not be necessary.

**Eye/Face Protection:**

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

**Skin Protection:**

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

**Work Practice Controls:**

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

**Physical Appearance:**

clear viscous liquid.

**Odor:**

odorless.

**pH:**

Not Applicable

**Specific Gravity:**

Not Available

**Density:**

0.92 to 93 g/ml at 25 C (77 F).

**Water Solubility:**

insoluble

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**Melting Point Range:**  
Not Available

**Freezing Point Range:**  
< -65 C (-85 F)

**Boiling Point Range:**  
> 204 C (399 F) at 760 mmHg

**Vapor Pressure:**  
< 0.01 mmHg at 200 C (392 F)

**Vapor Density:**  
Not Available

## 10. STABILITY AND REACTIVITY

**Chemical Stability:**  
This material is stable under normal handling and storage conditions described in Section 7.

**Conditions To Be Avoided:**  
heat  
open flame  
spark  
static electricity

**Materials/Chemicals To Be Avoided:**  
strong bases  
strong acids  
strong oxidizing agents

**The Following Hazardous Decomposition Products Might Be Expected:**

**Decomposition Type: thermal**  
dimethylcyclosiloxanes  
methylphenylcyclosiloxanes

**Decomposition Type: oxidative/thermal**  
formaldehyde

**Hazardous Polymerization Will Not Occur.**

**Avoid The Following To Inhibit Hazardous Polymerization:**  
not applicable

## 11. TOXICOLOGICAL INFORMATION

**Acute Eye Irritation:**

**Acute Skin Irritation:**

**Acute Dermal Toxicity:****Acute Respiratory Irritation:**

No test data found for product.

**Acute Inhalation Toxicity:**

No test data found for product.

**Acute Oral Toxicity:****Chronic Toxicity:**

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

**12. ECOLOGICAL INFORMATION****Ecotoxicological Information:**

No data found for product.

**Chemical Fate Information:**

No data found for product.

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Method:**

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

**Container Handling and Disposal:**

Any containers or equipment used should be decontaminated immediately after use.

EPA Hazardous Waste - NO

**14. TRANSPORTATION INFORMATION**

**Transportation Status: IMPORTANT! Statements below provide additional**

**data on listed DOT classification.**

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

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**US Department of Transportation**

**Shipping Name:**  
NOT REGULATED

**15. REGULATORY INFORMATION****Inventory Status**

<b>Inventory</b>	<b>Status</b>
UNITED STATES (TSCA)	Y
CANADA (DSL)	Y
EUROPE (EINECS/ELINCS)	P
AUSTRALIA (AICS)	Y
JAPAN (MITI)	Y
SOUTH KOREA (KECL)	Y

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

**FEDERAL REGULATIONS****Inventory Issues:**

All functional components of this product are listed on the TSCA Inventory.

**SARA Title III Hazard Classes:**

Fire Hazard - NO  
Reactive Hazard - NO  
Release of Pressure - NO  
Acute Health Hazard - NO  
Chronic Health Hazard - NO

**STATE REGULATIONS:**

This product does not contain any components that are regulated under California Proposition 65.

**16. OTHER INFORMATION****National Fire Protection Association Hazard Ratings--NFPA(R):**

1 Health Hazard Rating--Slight  
1 Flammability Rating--Slight  
0 Instability Rating--Minimal

**National Paint & Coating Hazardous Materials Identification System--HMIS(R):**

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1 Health Hazard Rating--Slight  
1 Flammability Rating--Slight  
0 Reactivity Rating--Minimal

**Reason for Revisions:**

Change and/or addition made to Section 4, Section 5.

**Key Legend Information:**

ACGIH - American Conference of Governmental Industrial Hygienists  
OSHA - Occupational Safety and Health Administration  
TLV - Threshold Limit Value  
PEL - Permissible Exposure Limit  
TWA - Time Weighted Average  
STEL - Short Term Exposure Limit  
NTP - National Toxicology Program  
IARC - International Agency for Research on Cancer  
ND - Not determined  
Bluestar - Bluestar Silicones Established Exposure Limits

**Disclaimer:**

The information herein is given in good faith but no warranty, expressed or implied, is made.

**\*\*End Of MSDS Document\*\***