



# SAFETY DATA SHEET

## Silicone Defoamer

### 1. Identification

**Product Name:** Silicone Defoamer

**Generic Name:** Water-Based Silicone Emulsion – Food Grade & Kosher

**Use & Restrictions:** Antifoam / Defoamer

**Manufacturer:** Chemical Compounding  
791 66th Ave  
Oakland Ca, 94621

**EMERGENCY CONTACT:** (510)430-2792 (Office)  
(800) 424-9300 - Chemtrec 24 hour

### 2. Hazard(s) Identification

**Hazard Classification:** This product does not meet the classification criteria for health or physical hazards as supplied and is considered a non-hazardous chemical according to OSHA GHS Hazard Communication regulation 29 C.F.R. § 1910.1200.

**Signal Word:** NA

**Hazard Statement(s):** NA

**Precautionary Statement(s):**

**Prevention** NA

**Response** NA

**Storage** NA

**Disposal** NA

### 3. Composition/Information on Ingredients

Chemical name	CASRN	Weight %
%Non-hazardous product	-	-

### 4. First-aid measures

**Skin:** Wash exposed areas with soap and water. Remove contaminated clothing while washing continuously. Discard contaminated clothing and shoes.

**Eyes:** Flush eyes with gently flowing water for a minimum of fifteen minutes. Check for and remove contact lenses. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. If irritation develops, seek medical attention immediately.

**Ingestion:** If swallowed, dilute with two glasses of water. Seek medical attention immediately. INDUCE VOMITING ONLY UPON ADVICE OF A PHYSICIAN. Never give anything by mouth if victim is unconscious or having convulsions.

**Inhalation:** Move victim to fresh air. Assist in breathing, if necessary, and seek immediate medical attention.

### 5. Fire-fighting measures

#### Suitable (and unsuitable) extinguishing media

This product is water based and will not ignite at its boiling point of 212°F. This product will ignite when exposed to an ignition source while at a temperature at or above its flash point. Use carbon dioxide, dry chemical or alcohol-type foam or universal-type foams to extinguish flames. Water spray may be used to cool fire-exposed containers.

#### Hazards arising from product

This product contains methyl-polysiloxane which can generate formaldehyde at approximately 300°F (150°C) and above in atmospheres that contain oxygen. Other decomposition products from thermal breakdown are aldehydes, ketones, carbon oxides, sulfur oxides, nitrogen oxides and silica.

#### Protective equipment and precautions for fire-fighters

Wear self-contained breathing apparatus and protective clothing when combating a chemical fire in a confined area.

## 6. Accidental release measures

### Personal precautions, protective equipment, and emergency procedures

Remove spills promptly as they may make floors slippery. Several washes and/or the use of detergents may be necessary to completely clean any spill. Wear recommended protective equipment outlined in Section 8 of this document and provide adequate ventilation during clean-up.

### Methods and materials for containment and cleaning up

Spills should be contained, solidified with absorbent, noncombustible material and placed in labeled containers for disposal. Material should be disposed of at a licensed facility. As supplied, this material is not regulated by RCRA or CERCLA.

## 7. Handling and storage

### Precautions for safe handling

Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Wash thoroughly after handling. Ensure that containers are properly secured prior to moving.

### Safe Storage Conditions & Incompatibilities

Keep container closed during any storage. Protect from moisture and foreign materials. Keep away from heat, sparks, and open flames. Avoid direct sunlight. Do not re-use this container. Store product away from combustible materials. **Product contains water and will freeze if internal temperature falls below 32°F.** For optimum storage conditions, store between 50°F and 95°F or in properly insulated structures.

## 8. Exposure controls/personal protection

Component	CASRN	OSHA PEL	ACGIH TLV
No data here	-	-	-

**Engineering Controls:** General Ventilation is recommended.

**Eye protection:** Safety glasses with side shields are recommended as a minimum, but chemical goggles or a face shield provide better protection.

**Skin protection:** Skin contact should be minimized. Wash all affected areas prior to eating and at completion of handling. Contaminated clothing should be removed at completion of handling. Impervious gloves (butyl, neoprene, nitrile), coveralls or apron and boots are recommended.

**Respiratory protection:** None required under normal conditions of use.

## 9. Physical and chemical properties

**Appearance:** White opaque liquid  
**Odor:** Bland odor  
**Odor threshold:** ND  
**pH:** 5.8 – 7.6 (neat)  
**Melting point/freezing point:** 32°F freezing point  
**Initial boiling point and boiling range:** ND  
**Flash point:** >100°C (>212°F) Setaflash Closed Tester ASTM D3278  
**Evaporation rate:** ND  
**Flammability (solid, gas):** Non-Flammable liquid  
**Upper/lower flammability or explosive limits:** ND  
**Vapor pressure:** ND  
**Vapor density:** ND  
**Relative density:** 1.013 g/ml  
**Solubility(ies):** Dispersible in H<sub>2</sub>O  
**Partition coefficient: n-octanol/water:** ND  
**Auto-ignition temperature:** ND  
**Decomposition temperature:** ND  
**Viscosity @25°C:** 500 - 1100 cps (Brookfield RVT)  
**Pour Point:** 35°F

## 10. Stability and reactivity

**Reactivity:** Non-reactive when used under normal conditions.  
**Chemical stability:** Stable when used under normal conditions.  
**Possibility of hazardous reactions:** Hazardous polymerization will not occur under normal conditions.  
**Conditions to avoid:** None  
**Incompatible materials:** Strong oxidizing materials and alkali based materials.  
**Hazardous decomposition products:** Hazardous decomposition will not occur under normal conditions.

## 11. Toxicological information

### Routes of Exposure & Effects

**Skin** Acute: No irritation is likely to develop following repeated or prolonged contact with skin.  
Chronic: No chronic effects anticipated.

**Eyes** Acute: Exposure may cause mild transient irritation, redness and/or tearing.  
Chronic: No chronic effects anticipated.

**Ingestion** Acute: May result in nausea/intestinal discomfort such as diarrhea or gastrointestinal irritation.  
Chronic: No chronic effects anticipated.

**Inhalation** Acute: Not considered a hazard under normal use conditions.  
Chronic: No chronic effects anticipated.

### Carcinogenic, mutagenic and reprotoxic information:

**Reproductive Effects:** None Known  
**Mutagens:** None Known  
**Carcinogens(NTP, IARC, OSHA):** None Known

## 12. Ecological information

No data available at date of publish.

## 13. Disposal considerations

As supplied by ESP, discarded product is not considered a hazardous waste under RCRA, 40 CFR 261. Please dispose of in accordance with all local, state and federal regulations. It is recommended that the waste be incinerated or land filled at a licensed facility. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product.

## 14. Transport information

**Department of Transportation:** Not Regulated  
**TDG (Transportation of Dangerous Goods):** Not Regulated

## 15. Regulatory information

### U.S. Regulatory Information:

**SARA 302 Threshold Planning Quantity:** NA  
**SARA 304 Reportable Quantity:** NA  
**SARA 311/312 Categories:** NA  
**SARA 313 Supplier notification:** As supplied by ESP, no chemical in this product exceeds the de minimis reporting level established by SARA Title III, Section 313 and 40 CFR 372.  
**CERCLA** As supplied by ESP, no chemical in this product is subject to the reporting requirements of CERCLA.

### California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

This product does not intentionally contain any chemicals known by the State of California to cause birth defects, cancer and/or other reproductive harm. ESP does not routinely analyze its products for impurities which may be such chemicals. However, as an act of product stewardship, ESP has performed theoretical calculations based on vendor toxicity data and determined that this product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a notification/action under the statute.

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**Listed on or exempt from the following national chemical inventories:**

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USA (TSCA)  
Canada (DSL)  
Europe (EINECS)  
Australia (AICS)  
Korea (KECL)  
Japan (ENCS)  
China (IECSC)  
Philippines (PICCS)  
New Zealand (NZIoC)  
Taiwan (ECN)  
Switzerland (ChemO)

**16. Other information**

**Date Generated:** 5/28/15

**HMIS:**

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	B

**Legend:**

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**CASRN** Chemical Abstracts Service Registry Number  
**OSHA** Occupational Safety & Health Administration  
**PEL** Permissible Exposure Limit  
**ACGIH** American Conference of Governmental Industrial Hygienists  
**TLV** Threshold Limit Values  
**NA** Not Applicable  
**ND** Not Determined and/or No Data Available  
**NTP** National Toxicology Program  
**IARC** International Agency for Research on Cancer  
**SARA** Superfund Amendments and Reauthorization Act  
**CERCLA** Comprehensive Environmental Response, Compensation, and Liability Act  
**TSCA** Toxic Substances Control Act

**Other:**

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