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HYDROBLASTERS - HYDROKLEEN - HYDROPAD

www.hydroblaster.com

## Safety Data Sheet

### Section 1. Identification

Product identifier	DE-Foam Polydimethylsiloxane Compound
Other means of identification	4093, 4093-30, 4093-5, 4093-55
Product Description	10% Silicone Antifoam Emulsion, Water-Based (Food-Grade, Kosher)
Recommended use	Not available.
Recommended restrictions	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Supplier</b>	
Company name	Hydro Engineering, Inc.
Address	865 W 2600 S Salt Lake City, UT 84119
Telephone	800-247-8424
Website	<a href="http://www.hydroblaster.com">http://www.hydroblaster.com</a>
Emergency phone number	Chemtrec Within US & Canada: 800-424-9300

### Section 2. Hazard(s) identification

#### Acute Effects

Eye	Direct contact may cause temporary irritation. Avoid eye contact with product at all times.
Skin	Effects of short-term exposure are expected to be minimal. Some individuals may experience irritation and discomfort to skin. Avoid prolonged and unnecessary skin contact with product.
Inhalation	Not expected to be an inhalation hazard. Avoid prolonged exposure to product vapors.
Oral	Effects of ingesting small quantities are expected to be minimal. Never taste or swallow product.

#### Prolonged/Repeated Exposure Effects

Skin	Repeated or prolonged exposure may cause irritation.
Inhalation	No known applicable information.
Oral	No known applicable information.

#### Signs and Symptoms Of Overexposure

No known applicable information.

#### Medical Conditions Aggravated by Exposure

No known applicable information.

### Section 3. Composition/information on ingredients

<u>CAS Number</u>	<u>Component Name</u>
Mixture	Polydimethylsiloxane Compound

\*With limitation, this product is a secondary direct food-grade defoaming processing additive as defined in 21 CFR 173.340. This product contains no components at levels reportable as hazardous per OSHA Hazard Communication Standard 29 CFR 1910.1200, or in physical form reportable as hazardous per OSHA Hazard Communication Standard 29 CFR 1910.1200.

## Section 4. First-aid measures

<b>Eye</b>	Immediately flush eyes with a direct stream of water for at least 15 minutes while forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Get prompt medical attention if irritation develops.
<b>Skin</b>	Flush skin with water and wash with mild soap and water. Seek medical attention if irritation develops or rash occurs. Remove contaminated clothing and wash before reuse.
<b>Inhalation</b>	No first aid should be needed.
<b>Oral</b>	No first aid should be needed. Seek medical attention if large quantities are consumed. Do not induce vomiting except by physician's order. If spontaneous vomiting is inevitable, prevent aspiration by keeping victim's head below the knees.
<b>Comments</b>	Treat according to person's condition and specifics of exposure.

## Section 5. Fire-fighting measures

<b>Flash Point</b>	> 212°F / > 100 °C
<b>Auto ignition Temperature</b>	Not determined
<b>Flammability Limits in Air</b>	Not determined
<b>Extinguishing Media</b>	Dry chemical, carbon dioxide, and foam.
<b>Fire Fighting Measures</b>	Use water spray to cool containers exposed to flames. Do not enter enclosed or confined workspaces without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available). If leak or spill has not ignited, use water spray to disperse the vapors.
<b>Unusual Fire Hazards</b>	None known.
<b>Hazardous Decomposition Products</b>	

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: carbon oxides and traces of incompletely burned carbon compounds, silicon dioxide, nitrogen oxides, formaldehyde, and metal oxides.

## Section 6. Accidental release measures

<b>Containment /Clean up</b>	Build dike to contain flow. Remove free liquid. Contain spill and keep from entering waterways or sewers. Use personal protective equipment. Absorb on inert material. Shovel, sweep, or vacuum spill and place in closed container for disposal according to local, state, and federal regulations.
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Note: See section 8 for Personal Protective Equipment for Spills.

## Section 7. Handling and storage

<b>Storage Conditions</b>	Store this product below 110 °F (43°C) in a cool, dry, well-ventilated area away from direct sources of heat, moisture, or sunlight. Do not store near strong oxidizing materials. Preferentially store below 77 °F (25°C). To prolong shelf life, this product may be refrigerated. Protect product from freezing.
<b>General Precautions</b>	Keep container tightly closed when handling or storing. Do not dilute product with water and store in diluted form. Exercise good personal and industrial hygiene when handling food-grade antifoams and defoamers. Avoid unsanitary conditions, usage, and storage.

## Section 8. Exposure controls/personal protection

### Component Exposure Limits

There are no components at reportable levels with workspace exposure limits.

### Engineering Controls

<b>Local Ventilation</b>	None should be needed.
<b>General Ventilation</b>	Recommended.

### Personal Protective Equipment for Routine Handling and Spills

<b>Eyes</b>	Always wear eye protection. Goggles or safety glasses with side shields are recommended.
<b>Skin</b>	Washing at mealtime and end of shift is adequate.
<b>Suitable Gloves</b>	Neoprene rubber or other chemical resistant material such as nitrile or viton may be used.

**Inhalation/Suitable Respirator** No respiratory Protection should be needed.  
**Precautionary Measures** Avoid eye contact at all times. Use reasonable care.

## Section 9. Physical and chemical properties

<b>Pure Substance or Mixture:</b>	Mixture	<b>Solubility in Water:</b>	Dispersible
<b>Physical Form:</b>	Liquid Emulsion	<b>Viscosity:</b>	Pseudo plastic *
<b>Color:</b>	White	<b>Bulk Density @ 25 °C:</b>	8.35 lb/gal
<b>Odor:</b>	Bland	<b>Evaporation Rate:</b>	No Data
<b>pH (5% @ 25 °C):</b>	6.8- 8.1	<b>Vapor Pressure:</b>	No Data
<b>Oxidizing Properties:</b>	Not Applicable	<b>Vapor Density (Air= 1):</b>	No Data
<b>Boiling Point:</b>	-212 °F	<b>Volatile Organic%:</b>	Negligible
<b>Melting/Freezing Point:</b>	-32 °F	<b>Plash Point:</b>	> 212 °F

## Section 10. Stability and reactivity

**Chemical Stability** Stable under normal temperature and pressure.  
**Hazardous Polymerization** Hazardous polymerization will not occur.  
**Materials to Avoid** Strong oxidizing materials.  
**Conditions to Avoid** See section 7.  
**Hazardous Decomposition Products** Incomplete combustion may produce carbon monoxide and other asphyxiates.

	<b>Health</b>	<b>Fire</b>	<b>Reactivity</b>	<b>Special</b>
<b>HMIS:</b>	0	0	0	N/A
<b>NFPA:</b>	0	0	0	N/A

## Section 11. Toxicological information

**Product Information** Unlikely to cause harmful effects under normal conditions of handling and use.  
**Route of Entry** Inhalation; Ingestion; Eye Contact  
**Chronic (Long-Term) Effects of Exposure**  
**Effects of Chronic Exposure** Not Established.  
**Target Organs** Not Applicable  
**Carcinogen** No  
**Special Hazard Information** No known applicable information.

## Section 12. Ecological information

**Environmental Fate and Distribution**  
 Complete information is not yet available.  
**Environmental Effects**  
 Complete information is not yet available.  
**Fate and Effects in Waste Water Treatment Plants**  
 Complete information is not yet available.

Hazard Parameters (LC50 or EC50)	<b>High</b>	<b>Medium</b>	<b>Low</b>
Acute Aquatic Toxicology (mg/L)	<=1	>1 and <=100	>100
Acute Terrestrial Toxicity	<=100	>100 and <=200	>2000

\*This table is adopted from "Environmental Toxicology and Risk Assessment," ASTM STP 1179, p.34, 1993

\*This table can be used to classify the eco toxicology of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

## Section 13. Disposal considerations

### RCRA Hazard Class (40 C.FR261)

When a decision is made to discard this material, as received, it is classified as a hazardous waste? No

## 14. Transport information

DOT Road Shipment Information (49 CFR 172.101)

DOT Proper Shipping Name: N/A

DOT Technical Name: N/A

DOT Primary Hazard Class: N/A

DOT Secondary Hazard Class: N/A

DOT Label Required: N/A

DOT Placard Required: N/A

DOT Poison Constituent: N/A

Bill of Lading Description: NOT REGULATED BY THE DEPARTMENT OF TRANSPORTATION

UN/NA CODE:

### Ocean Shipment (IMDG)

Not subject to IMDG code.

### Air Shipment (IATA)

Not subject to IATA regulations

Call Hydro Engineering, Inc. 800-247-8424 if additional information is required.

## Section 15. Regulatory information

Contents of this MSDS comply with OSHA Hazard Communication Standard 29 CFR 1910.1200.

**TSCA Status:** All chemical substances in this material are included on or exempted from listings on the TSCA Inventory of Chemical Substances.

### EPA SARA Title III Chemical Listings

**Section 302 Extremely Hazardous Substances:** None

**Section 304 CERCLA Hazardous Substances:** None

<u>CAS Number</u>	<u>Wt%</u>	<u>Component Name</u>
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### Section 312 Hazard Class

Acute:	No
Chronic:	No
Fire:	No
Pressure:	No
Reactive:	No

**Section 313 Toxic Chemicals:** None

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

**Issue date** 01-December-2009

**Revision date** 09-December-20

### Disclaimer

This safety data sheet (SDS) was prepared in accordance with the 29 CFR 1910.1200. The information contained herein is based upon data available to us and reflects our best professional judgment. However, no warranty is expressed or implied regarding the accuracy of such information or the results obtained from the use thereof. We assume no legal responsibility whatsoever for any damage resulting from reliance upon this information since it is being furnished upon the condition that the person receiving it shall make his or her own determination of the suitability of the material described herein for a particular application, storage, or disposal situation.