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.

Manufacturer/Importer/Supplier/Distributor information

Supplier
Company name
Hydro Engineering, Inc.

Address
865 W 2600 S
Salt Lake City, UT 84119

Telephone
800-247-8424

Website
http://www.hydroblaster.com

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

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Component Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixture</td>
<td>Polydimethylsiloxane Compound</td>
</tr>
</tbody>
</table>

Section 4. First-aid measures

Eye
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.

Skin
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.

Inhalation
No first aid should be needed.

Oral
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.

Comments
Treat according to person's condition and specifics of exposure.

Section 5. Fire-fighting measures

Flash Point
> 212°F / > 100 °C

Auto ignition Temperature
Not determined

Flammability Limits in Air
Not determined

Extinguishing Media
Dry chemical, carbon dioxide, and foam.

Fire Fighting Measures
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.

Unusual Fire Hazards
None known.

Hazardous Decomposition Products
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

Containment /Clean up
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.

Note: See section 8 for Personal Protective Equipment for Spills.

Section 7. Handling and storage

Storage Conditions
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.

General Precautions
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

Local Ventilation
None should be needed.

General Ventilation
Recommended.

Personal Protective Equipment for Routine Handling and Spills

Eyes
Always wear eye protection. Goggles or safety glasses with side shields are recommended.

Skin
Washing at mealtime and end of shift is adequate.

Suitable Gloves
Neoprene rubber or other chemical resistant material such as nitrile or viton may be used.
Section 9. Physical and chemical properties

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

Section 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Stability</td>
<td>Stable under normal temperature and pressure.</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>Hazardous polymerization will not occur.</td>
</tr>
<tr>
<td>Materials to Avoid</td>
<td>Strong oxidizing materials.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>See section 7.</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>Incomplete combustion may produce carbon monoxide and other asphyxiates.</td>
</tr>
</tbody>
</table>

Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Information</td>
<td>Unlikely to cause harmful effects under normal conditions of handling and use.</td>
</tr>
<tr>
<td>Route of Entry</td>
<td>Inhalation; Ingestion; Eye Contact</td>
</tr>
<tr>
<td>Chronic (Long-Term) Effects of Exposure</td>
<td></td>
</tr>
<tr>
<td>Effects of Chronic Exposure</td>
<td>Not Established.</td>
</tr>
<tr>
<td>Target Organs</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Carcinogen</td>
<td>No</td>
</tr>
<tr>
<td>Special Hazard Information</td>
<td>No known applicable information.</td>
</tr>
</tbody>
</table>

Section 12. Ecological information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Fate and Distribution</td>
<td>Complete information is not yet available.</td>
</tr>
<tr>
<td>Environmental Effects</td>
<td>Complete information is not yet available.</td>
</tr>
<tr>
<td>Fate and Effects in Waste Water Treatment Plants</td>
<td>Complete information is not yet available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazard Parameters (LC50 or EC50)</th>
<th>High</th>
<th>Medium</th>
<th>Low</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Aquatic Toxicity (mg/L)</td>
<td>&lt;=1</td>
<td>&gt;1 and &lt;=100</td>
<td>&gt;100</td>
</tr>
<tr>
<td>Acute Terrestrial Toxicity</td>
<td>&lt;=100</td>
<td>&gt;100 and &lt;=200</td>
<td>&gt;2000</td>
</tr>
</tbody>
</table>

*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 toxicity 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 CFR261)
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

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

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Wt%</th>
<th>Component Name</th>
</tr>
</thead>
</table>

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
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