



Material Safety Data Sheet

Section I Chemical Product & Company Identification

Product: **4093** **Rev. Date: 02/26/01**
 CAS Name & No.: Mixture (NA)
 Product Description: A water dispersible, food-grade 10% silicone antifoam & defoaming emulsion.
 Supplier: Hydro Engineering, Inc. Phone: (801) 972-1181
 865 West 2600 South Fax: (801) 972-3265
 Salt Lake City, UT 84119

Section II Composition / Information on Ingredients

Ingredients:	CAS#	WT%	PEL	ACGIH STEL
Polydimethylsiloxane Compound	Mixture	10%	NA	NA

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 hazard 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 III Hazardous Identification

NFPA HAZARD RATING:

HEALTH: 0 FIRE: 0 REACTIVITY: 0 PERSONAL PROTECTION: See Section 8

Primary Routes of Entry: Absorption through skin.

Potential Health Effects:

Eye: Eye contact with product 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.

Ingestion: Effects of ingesting small quantities are expected to be minimal. Never taste or swallow product.

Inhalation: Not expected to be an inhalation hazard. Avoid prolonged exposure to product vapors.



Section IV First Aid Measures

- Eyes:** Immediately flush eyes with a directed 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. Get prompt medical attention if irritation develops or rash occurs. Remove contaminated clothing and wash before reuse.
- Ingestion:** GET IMMEDIATE MEDICAL ATTENTION. Do not induce vomiting except by physician's order. If spontaneous vomiting is inevitable, prevent aspiration by keeping victim's head below the knees. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have trained person administer mouth-to-mouth resuscitation. GET MEDICAL ATTENTION IMMEDIATELY.

Section V Fire Fighting Measures

- Flammable Properties:**
- | | |
|----------------------------|--------------------|
| Flash point, TCC: | > 200 °F (> 93 °C) |
| Auto ignition: | No Data |
| Flammability Class: | No Data |
| Lower Explosive Limit (%): | No Data |
| Upper Explosive Limit (%): | No Data |
- Hazardous Combustion Products:** Combustion products may include fumes, smoke, and carbon monoxide.
- Extinguishing Media:** Dry chemical, carbon dioxide, and foam.
- Fire Fighting Instructions:** 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/Explosion Hazards:** None Known.

Section VI Accidental Release Measure

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.

	865 West 2600 South, Salt Lake City, UT 84119 Phone 800-247-8424 or 801-972-1181 Fax 801-972-3265	
	HYDROBLASTERS - HYDROKLEEN - HYDROPAD	www.hydroblaster.com

Section VII Handling and Storage

Storage Conditions: Store this product below 100 °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 65 °F (18 °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, & storage.

Section VIII Exposure Control / Personal Protection

Personal Protection Gloves: Neoprene rubber or other chemical resistant material such as nitrile or viton may be used.

Safety Glasses: Always wear eye protection. Goggles or safety glasses with side shields are recommended.

Section IX Physical and Chemical Properties

Vapor Pressure:	No Data	pH (5% @ 25 °C):	6.8 - 8.1
Vapor Density, (Air-1):	No Data	Boiling Point:	~212 °F
Specific Gravity:	1.00 @ 25 °C	Freezing Point:	~32 °F
Solubility in Water:	Dispersible	Viscosity:	Pseudo plastic
Volatile Organic %:	Negligible	Evaporation Rate:	No Data
Appearance:	Creamy, Off-White Emulsion		
Odor:	Undetectable to Mild		

The physical data presented here are approximations, as the actual product's values may vary slightly. Non-Newtonian viscosity results in a viscosity decrease with an increase in shear force.



Section XII Disclaimer of Expressed and Implied Warranties

Disclaimer: This material safety data sheet (MSDS) was prepared in accordance with 29 CFR 1910.1200 by its manufacturer. 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.