

DATASHEET

SI-FOAM 10

DESCRIPTION

Silicone based liquid defoamer additive. This product works great in municipal and industrial applications where foam is undesired. Simply pre-dilute appropriate amount of product and add to foaming solution.

Foam will disappear almost immediately. Non-toxic formula.

PRODUCT USES & APPLICATIONS

- Water-Water Ponds
- Cleaning Operations
- Scrubber Systems
- Vacuum Truck Operations
- Bio-Ponds

APPLICATION INSTRUCTIONS

Dilution Rate	1:1000
Severe Case Dilution	1:250
Other Notes	Mix with water before use to pre-dilute.

Special Instructions: For scrubbing applications, pre-dilute product with water prior to adding to scrubber solution. Do not over-use product as more foam could be generated in certain instances.

HAZARDOUS INFORMATION

Specific Hazard	Eye and skin irritant
Flash Point (°F)	Above 220°F
Biodegradability	Excellent
pH	4-5
Unusual Hazards	None

PACKAGING INFORMATION

Available Quantities	5,30,55,275 and bulk
Packaging Material	Poly
Other Information	Do not let product freeze.

CASE STUDY & APPLICATION INFO

June 5, 2015: Whiting, IN

Customer using our Carbonil XT hydrocarbon scrubbing solution encountered foam issues. We shipped a few pails of the SI-FOAM 10 and within 2 minutes of application, all foam was neutralized. Regular addition of the SI-FOAM was then administered to keep foam from becoming an issue.

January 15, 2016: Corpus Christi, TX

A customer using one of Vapor Tech's SST-20 vapor scrubber systems encountered a foaming issue while using a specialized surfactant. We sent out a five-gallon pail of SI-FOAM 10 and instructed them to dilute with water and then apply to the solution reservoir. Within 30 seconds they reported no foam in the scrubber.

GHS SAFETY DATA SHEET

SI-FOAM 10

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name..... SI-FOAM 10
 Chemical Use..... Silicone-Based Defoaming Agent
 Chemical Family..... Mixture
 Issue Date of SDS..... June 27, 2014
 Revision Date of SDS..... 1/31/2022

MANUFACTURER:

Vapor Technologies, Inc.
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www.vapor-tech.net

EMERGENCY TELEPHONE NUMBER: (877) 840-0646

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION: NON-HAZARDOUS

<u>Health</u>	<u>Environmental</u>	<u>Physical</u>
Skin Corrosion/Irritation: Category 3	None Known	None Known
Eye Damage/Irritation: Category 2B		
Acute Toxicity-Inhalation: Category 5		

GHS LABEL:

NO SYMBOL

SIGNAL WORD:

WARNING

Hazard Statements

H316: Causes mild skin irritation.
 H320: Causes eye irritation.
 H333: May be harmful if inhaled.

Precautionary Statements

P264: Wash hands thoroughly after handling.
 P304 + P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332 + P313: If skin irritation occurs: Get medical advice/attention.
 P337 + P313: If eye irritation persists: Get medical advice/attention.

<u>NFPA</u>		<u>HMIS</u>	
Health	0	0	Health
Flammability	0	0	Flammability
Reactivity	0	0	Physical Hazard
Special Notice	-	B	PPE

0 - Minimal
 1 - Slight
 2 - Moderate
 3 - Serious
 4 - Severe
 B - Safety Glasses & Gloves

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS#</u>	<u>CONCENTRATION</u>
Propylene Glycol	57-55-6	1 - < 3%

SECTION 4 - FIRST AID MEASURES

Eye Contact..... Immediately flush eyes with plenty of water. Get medical attention if irritation develops or persists.
 Skin Contact..... Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.
 Inhalation..... If exposed to excessive levels of fumes, remove to fresh air. Get medical attention if cough or other symptoms develop.
 Ingestion..... Rinse mouth. Get medical attention if symptoms occur.

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Use foam, carbon dioxide, water fog or dry chemical powder.
 Unsuitable Extinguishing Media:..... Do not use water jet as an extinguisher, as this will spread the fire.
 Combustion Products: None Known.
 Fire Fighting Instructions..... As with any fire, wear sealed contained breathing apparatus, pressure demand MSHA/NIOSH (approved or equivalent) and full protective gear. Water runoff may cause environmental damage. Dike and collect water used to fight fire.

Personal Precautions:..... Prevent contact with skin and eyes. See Section 8.
 Environmental Precautions:..... Prevent entry of product into drains, sewers, surface or ground water.
 Methods for Cleaning Up:..... Clean up spills immediately. Absorb spill with inert material (e.g., dry sand or earth), then place in a suitable container for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling:..... Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Use in well ventilated area.
 Storage:..... Store in cool, dry place in original container and keep away from direct sunlight. Keep container closed when not in use.
 Shelf-Life:..... Six to Nine months normally.
 Storage Temperature:..... 5 - 43°C (41 - 110°F).

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMITS:	Component	ACGIH (TLV)	ACGIH (STEL)	OSHA (PEL)
	Propylene Glycol (CAS 57-55-6)	Not Known	Not Known	Not Known

Engineering Controls:..... Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment (PPE):

Eye Protection:..... Wear safety-goggles with side shields (or goggles). Contact lenses should not be worn.
 Skin Protection:..... Wear suitable protective clothing.
 Respiratory Protection:..... For most situations, no respiratory protection is necessary.
 General Hygiene Consideration:..... There are no known health hazards associated with this product when used as recommended.
 The following general hygiene considerations are recognized as common, good industrial hygiene practices:

- Wash hands after use and before eating.
- Avoid breathing vapors.
- Wear safety glasses and gloves.

Exposure Limits:..... Not established for product as whole.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:..... White or Milk-Like Liquid.
 Odor:..... Mild.
 Vapor Pressure:..... Not Determined.
 Odor Threshold:..... Not Determined.
 Vapor density:..... Not Determined.
 pH:..... 4 to 5
 Relative Density:..... Not Determined.
 Melting point/Freezing point:..... 32°F (0°C)
 Solubility in water:..... Insoluble to Dispersible.
 Initial boiling point and range:..... > 212°F (>100°C)
 Flash Point:..... > 212°F (>100°C)
 Evaporation rate:..... < 1 (Water = 1)
 Flammability (solid, gas):..... N/A
 Upper/Lower flammability or explosive limits:..... Not Established.
 Partition coefficient:..... Not Determined.
 Auto igniting temperature:..... Not Determined.
 Decomposition temperature:..... Not Determined.
 Viscosity:..... Not Determined.
 Specific Gravity (water = 1):..... 0.99 - 1.02 @ 77° F

SECTION 10 - STABILITY & REACTIVITY

Reactivity:..... No dangerous reaction known under conditions of normal use.
 Chemical Stability:..... Stable.
 Hazardous Polymerization:..... Will not occur.
 Incompatibilities:..... Acids, Bases, Alkalies (organic).
 Decomposition Products:..... Carbon oxides.

Likely Routes of Exposure:..... Inhalation, Eye and Skin Contact

Acute symptoms and effects:

Eye..... Direct contact with eyes may cause temporary irritation.

Skin..... Prolonged or repeated exposure may cause irritation.

Ingestion..... Expected to be a low ingestion hazard.

Inhalation:..... Prolonged inhalation maybe harmful.

Chronic Exposure:..... Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

Toxicity Data: LD50 LC50
 Rabbit-Oral- 18 g/kg Not Known

Carcinogenicity..... Not a known carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:..... No further relevant information available.

Mobility in soil:..... No further relevant information available.

Degradability:..... Expected to readily biodegrade.

Bioaccumulation:..... No further relevant information available.

SECTION 13 - DISPOSAL CONSIDERATION

Si-Foam 10 is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local authorities regarding the proper disposal of this material.

(Note: Adding chemicals, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate).

SECTION 14 - TRANSPORTATION INFORMATION

- A. USA:** UN Number..... Not Regulated.
 D.O.T UN Proper Shipping Name..... Not Regulated.
 Packaging group..... Not Regulated.
 Technical Shipping Name..... Defoaming Agent
 D.O.T. Label..... Not Regulated.
 D.O.T. Placard..... Not Regulated.
 Freight Class Package..... Class 55
- B. CANADA:** TDG..... Not Regulated.
- C. ENGLAND:** Approved Carriage List..... Not Regulated.

SECTION 15 - REGULATORY INFORMATION

- A. USA:** TSCA Status..... All ingredients listed on TSCA Inventory.
 SARA TITLE III, 302/303 EHS..... None
 SARA TITLE III, 304 HS..... None
 SARA TITLE III, 311/312..... None
 SARA TITLE III, 313..... None
- B. CANADA:** DSL/NDSL..... All ingredients are listed.
 WHMIS..... Not Classified.
- C. EC:** EINECS..... All ingredients are listed.

SECTION 16 - OTHER INFORMATION

For details on specific requirements, you should contact the appropriate agency in your state.

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Approval Date: 1/31/2022