

# DEFOAMER #2412

## Silicone Emulsion Foam Eliminator



### Features:

- Highly concentrated
- Labor saving
- Increases equipment life
- Works well in both hot and cold water
- No phosphates
- Kosher certified



### Description:

DEFOAMER is a highly concentrated silicone emulsion antifoam designed especially for a wide range of industrial, institutional, and municipal applications. The fine silicone particles rapidly eliminate and prevent foam. It works equally well in all water temperatures. This product is gentle on equipment because of its built-in corrosion inhibitors. It has been designed to reduce foam build-up in wet vacuum recovery tanks and all foam generating equipment. DEFOAMER reduces strain on motors and it lowers labor costs by eliminating the need to continuously empty the recovery tank.

### Applications:

- Wet Vats
- Sewage Plants
- Carpet Extractors
- Ornamental Fountains
- Hot Vats
- Textile Mills
- Automatic Scrubbers
- Anywhere detergent foaming presents a problem

### Product Characteristics:

Appearance:	Milky emulsion
Color:	White
Odor:	Odorless
Boiling Point:	Not available
Solubility (water):	Complete
Relative Density:	1.0
Flash Point:	None
VOC Content (Wt. %):	0
pH:	8-10
Physical State:	Liquid
Storage:	Do not use or store near heat, sparks or open flame. Store in a cool, dry place. Do not get in eyes, on skin or on clothing. Keep out of reach of children.
<b>Transport Information:</b>	
UN Number:	Not regulated
Proper Shipping Name:	Not regulated
Class:	Not regulated
Packing Group:	Not regulated

### Directions:

With gentle stirring or agitation, Defoamer can be added directly to foaming system. For maximum antifoaming and defoaming efficiency, predilute Defoamer with three to five parts of water with mild agitation before adding it to the foaming system. Only small concentrations of 20-200 ppm are needed for most systems. The proper concentration can be estimated by tests with a sample of the foamer. This product is water soluble and in either form - as supplied or diluted - is easily dispersed in the foaming system or in one of the foamer ingredients. This product will not cause spotting under normal conditions.

**DOT Placard:**  
Not regulated.

**VOC Compliancy:**  
Yes.

### Pictograms:



**Signal Word:**  
WARNING

### Personal Protective Equipment Required:






# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2412	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	DEFOAMER	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	Silicone Emulsion Foam Eliminator	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Eye Irritation - Category 2	<b>SIGNAL WORD:</b> <b>WARNING</b>	<b>SYMBOL:</b>	
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**HAZARD STATEMENT (S):**  
Keep out of reach of children.  
Read label and SDS before use.  
Causes serious eye irritation.

**PRECAUTIONARY STATEMENT:**  
**Prevention:**  
Wash hands thoroughly after handling.  
Wear eye protection.  
**Response:**  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists, get medical attention.

**HAZARDS NOT OTHERWISE SPECIFIED:**  
Not applicable.

## 3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
Silicone Emulsion	63148-62-9	>=1 <= 5

## 4. First Aid Measures

**EMERGENCY OVERVIEW**

**WARNING:** May be harmful if swallowed. Eye irritant.

**EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**SKIN:** Wash with plenty of soap and water.

**INHALATION:**  
Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

**INGESTION:**  
May be harmful if swallowed. Seek medical attention immediately.

## 5. Fire-Fighting Measures

**SUITABLE FIRE EXTINGUISHING MEDIA:**  
Use water spray, fog, or foam.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**  
Containers may build pressure and rupture.

**HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:**  
Carbon Dioxide. Carbon Monoxide.

**SPECIFIC FIREFIGHTING METHODS:**  
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:**  
Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

## 6. Accidental Release Measures

**PERSONAL PRECAUTIONS:**  
Put on appropriate personal protective equipment (see Section 8).

**ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:**  
Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb spill with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

## 7. Handling and Storage

Do not use or store near heat, sparks or open flame. Store in a cool, dry place. Do not get in eyes, on skin or on clothing. Keep out of reach of children.

## 8. Exposure Controls / Personal Protection

### PERSONAL PROTECTIVE EQUIPMENT:



**EYE PROTECTION:** Wear safety glasses or goggles.

**SKIN PROTECTION:** To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile, or neoprene).

**RESPIRATORY PROTECTION:** No special requirements are needed for this material.

### ENGINEERING CONTROLS:

Good general ventilation required.

## 9. Physical & Chemical Properties

<b>APPEARANCE</b>	Milky emulsion.	<b>AUTO IGNITION TEMP</b>	Not available.
<b>BOILING POINT</b>	Not available.	<b>COLOR</b>	White.
<b>DECOMPOSITION TEMPERATURE</b>	Not available.	<b>EVAPORATION RATE</b>	Not available.
<b>EXPLOSIVE LIMIT RANGES</b>	Not available.	<b>EXPLOSIVE PROPERTIES</b>	Not available.
<b>FLASH POINT</b>	None.	<b>MELTING/FREEZING POINT</b>	Not available.
<b>ODOR</b>	Odorless.	<b>ODOR THRESHOLD</b>	Not available.
<b>VOC CONTENT (Wt. %):</b>	0	<b>OXIDIZING PROPERTIES</b>	Not available.
<b>PARTITION COEFF</b>	Not available.	<b>PHYSICAL STATE</b>	Liquid.
<b>RELATIVE DENSITY</b>	1.0	<b>SOLUBILITY (WATER)</b>	Complete.
<b>VAPOR DENSITY</b>	Not available.	<b>VAPOR PRESSURE</b>	Not available.
<b>VISCOSITY</b>	Not available.	<b>pH</b>	8-10

## 10. Stability & Reactivity Information

### REACTIVITY:

Under normal conditions of storage and use, hazardous reactions will not occur.

### CHEMICAL STABILITY:

Stable under normal conditions.

### INCOMPATIBLE MATERIALS:

Acids and strong oxidizers.

### CONDITIONS TO AVOID:

High temperatures.

### DECOMPOSITION PRODUCTS:

CO, CO<sub>2</sub>.

## 11. Toxicological Information

### PRIMARY ROUTE OF ENTRY:

Skin contact.

### ACUTE/POTENTIAL HEALTH EFFECTS:

**EYES:** May cause serious eye irritation. Symptoms include stinging, tearing and redness.

**SKIN:** May cause skin irritation.

**INHALATION:** High vapor concentrations may be irritating to respiratory tract.

**INGESTION:** May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea, and general weakness.

### CHRONIC / LONG TERM EFFECTS:

None known.

### TARGET ORGAN EFFECTS:

None known.

### REPRODUCTIVE/DEVELOPMENTAL INFORMATION:

No data.

### CARCINOGENIC INFORMATION:

This material is not listed as a carcinogen by IARC, NTP or OSHA.

### ACUTE TOXICITY VALUES:

Not available.

## 12. Ecological Information

Not available.

## 13. Disposal Consideration

Waste must be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.

## 14. Transportation Information

Not regulated.

## 15. Regulatory Information

If identified components of this product are **CERCLA** hazardous substances and/or listed under **Sections 302, 304, or 313 of Title III** of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (also known as EPCRA, the Emergency Planning and Community Right-To-Know Act), or under **California Proposition 65** (Safe Drinking Water and Toxic Enforcement Act), they are listed above in Section 15 of this SDS.

If identified components of this product are listed under Section 313, this product contains toxic chemicals subject to the reporting requirements of Section 313. This information must be included in all SDS's that are copied and distributed for this material.

### Title III Section 311/312:

Hazardous Categories - 40 CFR 370.2:

ACUTE (X) Chronic ( ) Fire ( ) Pressure ( ) Reactive ( ) Not Applicable ( )

**T.S.C.A. Status:**

All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

**RCRA Status:**

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes hazardous waste it would be assigned RCRA Code(s):  
None.

**16. Other Information****DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.

### SHAKE WELL BEFORE USING

A highly concentrated silicone emulsion antifoam designed especially for a wide range of industrial, institutional and municipal foam problems. Excellent for foam control in sewage treatment plants, textile processing, street sweepers, pressure washers, laundries, floor scrubbers, carpet extractors, dishwashing machines, hot vats, and any application where excess foam is a problem.

This product will not affect detergency. It can be mixed with various detergents or cleaners, where it is desirable to reduce or eliminate foam. A little bit goes a long way.

**Directions:** With gentle stirring or agitation, defoamer can be added directly to foaming system. For maximum antifoaming and defoaming efficiency, predilute defoamer with three to five parts of water with mild agitation before adding it to the foaming system. Only small concentrations of 20-200 ppm are needed for most systems. The proper concentration can be estimated by tests with a sample of the foamer.

This product is water soluble and in either form - as supplied or diluted - is easily dispersed in the foaming system or in one of the foamer ingredients. This product will not cause spotting under normal conditions.

This product is designed exclusively for industrial and institutional use by trained personnel. This product is sold as is and the manufacturer makes no warranty, express or implied, of merchantability, fitness for a particular purpose or otherwise.



# DEFOAMER

(SILICONE EMULSION TYPE)

**HIGHLY CONCENTRATED WILL  
NOT AFFECT DETERGENCY  
WIDE RANGE OF APPLICATIONS  
EFFECTIVE IN COLD OR HOT SYSTEMS**

**WARNING: KEEP OUT OF REACH OF CHILDREN. CAUSES SERIOUS EYE IRRITATION.  
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS.**

*Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)*

**NET CONTENTS: 1 GALLON (3.8 L)**

### DEFOAMER WARNING

KEEP OUT OF REACH OF CHILDREN. READ LABEL AND SDS BEFORE USE. CAUSES SERIOUS EYE IRRITATION.



Wash hands thoroughly after handling. Wear eye protection.

### FIRST AID

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Dispose of contents and container in accordance with all local, regional, and national regulations.

**An Exclusive Product of PRO CHEM, INC.  
1475 Bluegrass Lakes Parkway, Alpharetta, GA 30004  
TO REORDER CALL: 1-800-241-8180 • [www.procheminc.com](http://www.procheminc.com)**

Product Code: 2412

INGREDIENTS (C.A.S. #): Water (7732-18-5),  
Dimethylpolysiloxane (63148-62-9),  
Nonylphenolpolyethoxyethanol (9016-45-9).

HMS RATINGS: Health: 1, Flammability: 0,  
Reactivity: 0, Maximum Personal Protection: B.



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