



**FOAM DEPRESSANT 631**

Page: 1 of 7  
Date Prepared: April 19, 2016  
MSDS No.: 6470

**SECTION 1: IDENTIFICATION**

**Product name:** FOAM DEPRESSANT 631  
**Recommended use:** General purpose defoamer  
**Physical Description:** Opaque white liquid with a mild odor  
**Generic Ingredients:** Water and silicone fluid  
**Manufacturer:** Penetone Corporation  
 700 Gotham Parkway  
 Carlstadt, NJ 07072  
 800-631-1652 or 201-567-3000  
**Business Contact:** Customer Service  
 800-631-1652 x2602 or 2272  
 Product Safety  
 800-631-1652 x2211 or 2257

**Emergency Phone Numbers:** PENETONE 201-567-3000 CHEMTREC 800-424-9300

**SECTION 2: HAZARDS IDENTIFICATION**

**GHS CLASSIFICATION:**

<b>Health:</b> Skin irritation: 1 Eye irritation: 1	<b>Physical:</b> not classified
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**WARNING!**  
Toxic to Aquatic Life

<b>Precautionary Statements:</b>	
<p><u>Prevention:</u> Wear protective gloves, clothing, eye protection, and face protection. Wash hands and exposed skin thoroughly after handling. Product spills are extremely slippery: Prevent foot traffic in area of spill Prevent spills from contaminating natural waterways.</p> <p><u>Response:</u> <i>If on skin:</i> Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.</p>	<p><i>If in eyes:</i> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. <i>If inhaled:</i> Remove person to fresh air and keep comfortable for breathing. Call a poison center, doctor, physician or other competent medical authority if you feel unwell.</p> <p><u>Storage:</u> Store locked up. Store in a well-ventilated place. Keep cool. Keep container tightly closed.</p> <p><u>Disposal:</u> Dispose of contents/container in accordance with local, regional, and national regulations (see Sections 13 and 15 of SDS for disposal and reporting requirements).</p>

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	Concentration Wt% (1)
Water	7732-18-5	75-85
Silicone fluid compound	not available	15-25
Formaldehyde	50-00-0	<0.1

(1) Exact percentages being withheld under trade secret provision of OSHA HCS 1910.1200(i)



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**FOAM DEPRESSANT 631**

Page: 2 of 7  
Date Prepared: April 19, 2016  
MSDS No.: 6470

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**SECTION 4: FIRST-AID MEASURES**

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**General Description of Symptoms & First-Aid Measures**

Most likely work-place exposure routes will be *skin contact* or *inhalation*.

For *skin contact*, typically no immediate effects will be observed. A slight tingling sensation might be felt some time after exposure. Slight reddening or minor irritation could also develop if product is not quickly washed off.

*Inhalation* of product mists may cause respiratory irritation.

**Eyes**

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 or develops: Get medical advice or attention. Penetone recommends that after any eye exposure a physician be seen immediately.

**Ingestion**

If swallowed: Rinse mouth. Call a poison center, doctor, physician or other competent medical authority if you feel unwell.

**Inhalation**

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center, doctor, physician or other competent medical authority if you feel unwell.

**Skin**

If on skin: Wash with plenty of water or a mild soap. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice or attention.

**Special Treatment / Other**

None

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**SECTION 5: FIRE FIGHTING MEASURES**

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**Flammable Properties**

**Classification:** Non-flammable

**Flash Point:** None-to-boil

**Autoignition Temperature:** Not applicable

**Lower Flammable Limit:** Not applicable **Upper Flammable Limit:** Not applicable

**Specific Hazards**

Product is water based and presents no unusual fire hazards.

**Extinguishing Media**

Use extinguishing agents appropriate for controlling surrounding fire.

**Unsuitable:** None.

**Protection & Precautions for Firefighters**

**Protective Equipment & Clothing:** Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters protective clothing will only provide limited protection.

**Fire Fighting Guidance:** Cool containers with flooding quantities of water until well after fire is out. Move containers from fire area if you can do it safely. Dike fire control water for later disposal; do not scatter material. Containers can expand and explode under fire conditions due to vapor buildup. Always stay away from containers engulfed in fire.

**Hazardous Combustion Products:** Smoke, fumes, particulate silica and oxides of carbon including carbon monoxide when taken to dryness and burned.



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**FOAM DEPRESSANT 631**

Page: 3 of 7  
Date Prepared: April 19, 2016  
MSDS No.: 6470

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**Land Spill**

Stop leak if you can do it safely. Reclaim as much spilled material as possible and return to original container. Use copious amount of water to flush spill residue to wastewater treatment system. For large spills, dike and pump into properly labeled containers for reclamation or disposal. For small spill, soak up with absorbent material and place in properly labeled containers for disposal.

**Water Spill**

Prevent spills from contaminating natural waterways or municipal sewer systems. Use chemical-resistant spill control socks/booms to minimize spread of spill. Check with local environmental regulatory agencies for reporting requirements.

**See SECTION 8 for EXPOSURE CONTROLS and PERSONAL PROTECTION.**

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**SECTION 7: HANDLING & STORAGE**

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**Handling**

Avoid contact with eyes, skin and clothing. After handling, always wash hands thoroughly with soap and water. Avoid personal contact with any residue. Do not cut, weld, or reuse empty container.

**Storage**

Keep container tightly closed when not in use. Use containment devices to prevent uncontrolled spills. Do not store near strong acids or bases. Do not store in direct sunlight. Avoid storing above 120°F (49°C).

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**SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION**

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**Engineering Controls**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

**Personal Protection**

Inhalation A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use. Use of a general purpose particulate mask or respirator with particulate filter is recommended.

Skin Wear chemical resistant gloves such as: rubber, nitrile, neoprene, or latex when skin contact is possible. Protective clothing including gloves, apron, sleeves, boots, head and face protection should be worn depending on how the product is used. PPE should be cleaned thoroughly after each use.

Eyes Penetone recommends always wearing safety glasses as a minimum in any workplace. Conditions may warrant the use of chemical goggles and possibly a face shield. Consult your standard operating procedure or safety professional for advice. Use protective eye and face devices that comply with ANSI Z87.1-1987.

**Additional Remarks**

Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.

**Occupational Exposure Limits**

<u>Component Name</u>	<u>Source</u>	<u>Value</u>	<u>Type</u>	<u>Notation</u>
Formaldehyde	OSHA	0.75 ppm	TWA	2 ppm STEL

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**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**



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**FOAM DEPRESSANT 631**

Page: 4 of 7  
Date Prepared: April 19, 2016  
MSDS No.: 6470

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**Appearance:** opaque white liquid  
**Odor:** mild, sweet  
**Odor Threshold:** not determined  
**pH:** 7.0 - 8.5  
**Melting Point / Freezing:** less than 32°F  
**Boiling Point / Boiling Point Range:** greater than 212°F  
**Flash Point:** none to boil  
**Evaporation Rate:** equal to water  
**Flammability:** not applicable  
**Lower Flammable Limit:** not applicable  
**Upper Flammable Limit:** not applicable  
**Explosive Properties:** not applicable  
**Vapor Pressure:** equal to water  
**Relative Vapor Density:** not applicable  
**Relative Density:** 1.00  
**Solubility (Water):** dispersible  
**Partition Coefficient ( $K_{ow}$ ):** not determined  
**Auto-ignition temperature:** not applicable  
**Decomposition temperature:** not determined  
**Viscosity:** 1000 to 1500 centipoise at room temperature

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**SECTION 10: STABILITY & REACTIVITY**

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**Reactivity**

This product may react with strong oxidizing materials.

**Chemical Stability**

Stable.

**Hazardous Reactions**

None.

**Conditions to Avoid**

Do not store near strong oxidizing materials.

**Incompatible Materials**

Strong oxidizing materials.

**Hazardous Decomposition Products**

Oxides of carbon and particulate silica when taken to dryness and burned.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Product Summary**

Based upon ingredient data, product is non-toxic by oral and dermal routes exposure. Product is composed of food grade ingredients. Based upon ingredient information, product is expected to cause mild skin irritation and may cause eye irritation.

**Acute Toxicity:**

**Dermal:** >5,000 mg/kg rabbit (estimated from additivity formula)

**Inhalation:** no data available



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**FOAM DEPRESSANT 631**

Page: 5 of 7  
Date Prepared: April 19, 2016  
MSDS No.: 6470

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**Oral:** > 5,000 mg/kg rat (estimated from additivity formula)

**Skin Corrosion/Irritation**

May cause mild skin irritation. Based upon component data.

**Serious Eye Damage/Irritation**

May cause eye irritation. Based upon component data.

**Sensitization - Respiratory or Skin**

Not expected to be a skin or respiratory sensitizer. Based upon component data.

**Germ Cell Mutagenicity**

No data available. Not expected to be mutagenic based upon component information.

**Carcinogenicity**

Product contains <0.1% formaldehyde for preservative purposes.

**Developmental/Reproductive Toxicity**

No data available. Product contains <0.1% formaldehyde for preservative purposes. Not expected to be a developmental or reproductive toxin based upon partial component information and comparison to structurally similar compounds.

**Specific Target Organ Effects - Single Exposure**

No data available.

**Specific Target Organ Effects - Repeated or Prolonged Exposure**

No data available.

The nonionic surfactant used in this product exhibited kidney and liver effects in lab animals at high feeding levels over extended periods of time.

**Aspiration Hazard**

Based upon components, product not expected to be aspiration hazard.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Product Summary**

Product is expected to be slightly toxic to fish and moderately toxic to aquatic invertebrates. (Acute aquatic toxicity category 3 by European Union classification).

**Ecotoxicity**

Fathead minnow, 96 hr LC50, = > 500 mg/l (estimated using additivity formula)

Daphnia magna, 48 hr EC50, = 1-10 mg/l (estimated using additivity formula)

**Persistence and Degradability**

No specific biodegradability data have been determined for this product. This product would be gradually dispersed and biologically degraded in natural waterways and soil. The organic components are not anticipated to resist natural degradation or bioaccumulate.

**Bioaccumulative Potential**

Product components not considered bioaccumulative

**Mobility in soil**

No soil mobility data available.

**Other Adverse Effects**



**FOAM DEPRESSANT 631**

Page: 6 of 7  
 Date Prepared: April 19, 2016  
 MSDS No.: 6470

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Product is a nonhazardous waste under RCRA definitions. Dispose of contents/container in accordance with all applicable federal, state, and local regulations.

**Note:** Contaminated product, soil, water, container residues and spill cleanup materials may be hazardous wastes. Appropriate hazardous waste designation is the responsibility of the user.

**SECTION 14: TRANSPORT INFORMATION**

**ID No.:** None  
**Proper Shipping Name:** Nonhazardous (nonregulated) material  
**Hazard Class:** None  
**Label:** None  
**Packing Group:** None  
**Marine Pollutant:** Not applicable  
**RQ:** None  
**Special Precautions:** None

**SECTION 15: REGULATORY INFORMATION**

**TSCA**  
 The ingredients in this product are listed on the TSCA inventory.

**RCRA HAZARD CLASS**  
 Nonhazardous waste

**SARA 311/312 REPORTABLE HAZARD CATEGORIES:** Immediate (Acute) Health

**REPORTING REQUIREMENTS** (all quantities in pounds)

Component	CAS / 313 Code	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ	Section 313	CAA 112(r) TQ	CWA / OPA
no component is subject to reporting requirements							

**NEW JERSEY RIGHT-TO-KNOW INFORMATION**  
 This product contains water (CAS# 7732-18-5), and silicone fluid compound (CAS# not available).

**CALIFORNIA PROPOSITION 65 INFORMATION**  
 This product contains a chemical recognized by the state of California to cause cancer: formaldehyde (CAS# 50-00-0)

**SCAQMD INFORMATION**  
 Is there a photochemically reactive material present? No  
 What is the % by volume of photochemically reactive material? 0  
 What is the VOC content? 0  
 What is the vapor pressure of VOC's? Not applicable



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**FOAM DEPRESSANT 631**

Page: 7 of 7  
Date Prepared: April 19, 2016  
MSDS No.: 6470

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**SECTION 16: OTHER INFORMATION**

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**REVISION SUMMARY**  
New GHS format

**SUPERSEDES ISSUE DATE**  
February 27, 2004

**HAZARD RATING SYSTEMS:**

	<u>HMIS</u>	<u>NFPA</u>
HEALTH	1	1
FLAMMABILITY	0	0
REACTIVITY	0	0
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**KEY**  
4 = Severe  
3 = Serious  
2 = Moderate  
1 = Slight  
0 = Minimal

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR SALES ENGINEER  
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 201-567-3000

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