

## AF-1122

SDS Number: AF-1122

Revision Date: 7/17/2020

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

Aqua Science, Inc.  
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Columbus, Ohio 43219

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**Product Identifier:** AF-1122  
**SDS Number:** AF-1122  
**Revision Date:** 7/17/2020  
**Version:** 5  
**Product Use:** Antifoam

### 2 HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

##### GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Environmental, Hazards to the aquatic environment - Acute, 2  
Environmental, Hazards to the aquatic environment - Chronic, 2

#### GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **NONE**

GHS Hazard Pictograms:



##### GHS Hazard Statements:

H401 - Toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

##### GHS Precautionary Statements:

P273 - Avoid release to the environment.  
P391 - Collect spillage.  
P501 - Dispose of contents/container to comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

#### Hazards not Otherwise Classified (HNOC) or not Covered by GHS

**Route of Entry:** Eyes; Ingestion; Inhalation and Skin.  
**Inhalation:** Minimal respiratory tract irritation may occur with exposure to a large amount of material.  
**Skin Contact:** May cause irritation.  
**Eye Contact:** May cause irritation.

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**Ingestion:** may be harmful if swallowed.

**HMIS III:** Health = 1, Fire = 0, Physical Hazard = 0

**HMIS PPE:** B - Safety Glasses, Gloves

HMIS	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

### 3 COMPOSITION/INFORMATION OF INGREDIENTS

**Ingredients:**

Cas#	%	Chemical Name
63148-62-9	>45%	Siloxanes and Silicones, di-Me

The exact percentage by weight of the ingredients in this formula is proprietary.

### 4 FIRST AID MEASURES

<b>Inhalation:</b>	If symptoms develop as a result of inhalation, immediately move affected person away from exposure and into fresh air. If symptoms persist, seek medical attention immediately.
<b>Skin Contact:</b>	In case of contact, immediately wash affected area with soap and plenty of water. If irritation persists, seek medical attention immediately.
<b>Eye Contact:</b>	In case of contact, flush eyes with copious amounts of water for at least 15 minutes while holding eyelids apart. If irritation persists, seek medical attention.
<b>Ingestion:</b>	If this product is swallowed, seek medical attention immediately. DO NOT induce vomiting unless instructed to do so by a physician. If affected person is conscious and alert, immediately wash mouth with water and give water or milk to drink. If possible, do not leave affected person unattended.

### 5 FIRE FIGHTING MEASURES

<b>Flash Point:</b>	None
<b>Burning Rate:</b>	Not Applicable
<b>LEL:</b>	N/A
<b>UEL:</b>	N/A

In case of fire, use carbon dioxide or dry chemical to extinguish small fires. Use foam or water spray to extinguish large fires. Full protective equipment (bunker gear) and self-contained breathing apparatus (SCBA) should be used for all in door fires and any significant outdoor fires. If possible, firefighters should control run-off water to prevent environmental contamination.

### 6 ACCIDENTAL RELEASE MEASURES

In the event of a small spill, (liquid) absorb spilled product into inert material or (solid) sweep up into suitable container scoop into a container for proper disposal. Avoid run-off into storm sewers and ditches. Large spills need to be contained - do not discharge into drains; report in accordance with applicable regulations; and pick up for proper disposal. Ventilate area. Avoid contact with eyes. Watch out for slippery conditions when spillage.

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<b>7</b>	<b>HANDLING AND STORAGE</b>
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**Handling Precautions:** Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Handle with care and avoid spillage on the floor (slippage). Keep material out of reach of children. Launder contaminated clothing. Wash clothing before reuse and decontaminate or discard contaminated shoes. Wash thoroughly after handling.

**Storage Requirements:** Store in cool/dry area and ensure there is adequate ventilation. Keep container sealed tightly when not in use. Do not allow product to freeze.

<b>8</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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**Engineering Controls:** Safety shower and eye bath. Use mechanical (general) ventilation for storage areas.

**Personal Protective Equipment:** HMIS PP, B | Safety Glasses, Gloves  
HMIS PP, A | Safety Glasses  
Siloxanes and Silicones, di-Me (63148-62-9) [>5%]

Personal protective equipment

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min  
Material tested: Dermatrill (KCL 740 / Aldrich Z677272, Size M)

Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min  
Material tested: Dermatrill (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Siloxanes and Silicones, di-Me (63148-62-9) [>45%] : no data available

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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<p><b>Appearance:</b> Milky white, liquid material.</p> <p><b>Physical State:</b> Liquid</p> <p><b>Spec Grav./Density:</b> 0.995 - 1.0 typical.</p> <p><b>Boiling Point:</b> Approximately 212 Degrees F</p> <p><b>Flammability:</b> N/A</p> <p><b>Vapor Pressure:</b> No data</p>	<p><b>Odor:</b> Characteristic odor.</p> <p><b>Solubility:</b> Dispersable/Extendable.</p> <p><b>Percent Volatile:</b> &gt; 50%</p> <p><b>Freezing/Melting Pt.:</b> Approximately 20 Degrees F</p> <p><b>Flash Point:</b> None</p>
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**pH:** Not available  
**Evap. Rate:** <1.0 (water=1)

**Vapor Density:** No data  
**UFL/LFL:** None/None

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### STABILITY AND REACTIVITY

**Reactivity:** No Data  
**Chemical Stability:** Stable, except at high temperatures.  
**Conditions to Avoid:** Oxidation promoting conditions ( Heat and Sunlight).  
**Materials to Avoid:** Avoid contact between this product and strong oxidizing materials  
**Hazardous Decomposition:** Thermal decomposition of this product may produce carbon monoxide and/or carbon dioxide.  
**Hazardous Polymerization:** Will not occur.

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### TOXICOLOGICAL INFORMATION

Siloxanes and Silicones, di-Me (63148-62-9) [>45%]

Information on toxicological effects

Acute toxicity: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit Result: Mild eye irritation - 24 h

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: JT6485000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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### ECOLOGICAL INFORMATION

Siloxanes and Silicones, di-Me (63148-62-9) [>45%]

Information on ecological effects

Toxicity: no data available

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Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

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## DISPOSAL CONSIDERATIONS

## Disposal methods:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Siloxanes and Silicones, di-Me (63148-62-9) [>45%]

## Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

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## TRANSPORT INFORMATION

UN3082, Environmentally hazardous substances, liquid, n.o.s., 9, PGIII, (Contains Siloxanes and Silicone, di-Methicone.)

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## REGULATORY INFORMATION

## Component (CAS#) [%] - CODES

Siloxanes and Silicones, di-Me (63148-62-9) [>45%] TSCA

## Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

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## OTHER INFORMATION

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Final determination of suitability of any material is the sole responsibility of the user. All materials present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Aqua Science, Inc. warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use outside of such directions.

Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of the seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty.

The exclusive remedy against seller shall be in a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon a breach of warranty or tort.

Any controversy or claim arising out or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the commercial arbitration rules of the American Arbitration Association, and judgement upon rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.