



LUXEMBOURG

SAFETY DATA SHEET

Issue date: 25/10/2021

1. Identification of the substance or mixture and of the supplier

Product name: **AQUATAIN AMF**
Recommended use: Mosquito control on water bodies
Supplier: Luxembourg Industries Ltd.
27 Hamered St., Tel Aviv, 6812509. ISRAEL
Emergency phone number: +972 3 796 4300

2. Hazards identification

Classification of the product according to the Global Harmonized System of Classification and Labelling of Chemicals (GHS).

Hazard classification: Not classified as hazardous material by GHS
Label elements: Pictogram: None Signal word: None
Hazard statement(s): No hazard statements
Precautionary statement(s): No precautionary statements
Other hazards: Not known

3. Information on ingredients contributing to hazard

Common name: Silicone
Polydimethylsiloxane (PDMS)
Chemical formula: $(\text{CH}_3)_3\text{SiO}[\text{SiO}(\text{CH}_3)_2]_{23}\text{Si}(\text{CH}_3)_3$
Structural formula:
$$\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH}_3-\text{Si}-\text{O}-\left[\begin{array}{c} \text{CH}_3 \\ | \\ -\text{Si}-\text{O}- \\ | \\ \text{CH}_3 \end{array} \right]_n-\begin{array}{c} \text{CH}_3 \\ | \\ -\text{Si}-\text{CH}_3 \\ | \\ \text{CH}_3 \end{array} \end{array} \quad n=23$$

CAS No.: 63148-62-9
Content: 87.5% (w/w)

4. First-aid measures

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell.

AQUATAIN AMF SDS

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LUXEMBOURG INDUSTRIES LTD

27 Hamered St. Tel Aviv 6812509, P.O. Box 13 Tel Aviv 6100001, ISRAEL

Tel: +972 3 796 4300 ■ Fax: +972 3 510 0474 ■ E-mail: main@luxembourg.co.il ■ www.luxpam.com

Skin: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed.

No specific symptoms for silicone poisoning are available. Aquatain may cause temporary eye irritation.

Indication of any immediate medical attention and special treatment needed.

There is no specific antidote. Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media:	<u>Small Fire:</u> Dry chemical, CO ₂ or water spray. <u>Large Fire:</u> Dry chemical, alcohol-resistant foam or water spray. Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal; do not scatter the material.
Specific hazards arising from the chemical:	Possible combustion products are silicon dioxide, carbon oxides and traces of incompletely burned carbon compounds
Special protective equipment and precautions for fire-fighters:	Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire-exposed containers cool. Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

6. Accidental release measures

Personal precautions, protective equipment:	Use personal protective equipment.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up:	Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area thoroughly since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

7. Handling and storage

Precautions for safe handling:	Exercise good industrial hygiene practice. Use with adequate ventilation. Avoid eye contact. Do not take internally. Wash after handling, especially before eating, drinking or smoking.
Conditions for safe storage, including any incompatibilities:	Use reasonable care and store away from oxidizing materials. Keep container in a well ventilated place. Keep away from food, drink and animal feedstuffs.

8. Exposure controls / personal protection

Occupational exposure limits:	Not established
Appropriate engineering controls:	General ventilation is recommended.
Personal protective equipment:	No special respiratory or hand protection is needed. Use safety glasses as a minimum.

9. Physical and chemical properties

Appearance:	Colorless liquid
Odour:	Slight odor
pH:	6.0 - 6.5
Melting point/freezing point:	-28°C
Boiling point:	> 65°C
Evaporation rate:	Not available
Flash point:	> 101°C (Closed Cup)
Flammability:	Not flammable
Vapour pressure:	Not available
Vapour density:	Not available
Bulk density:	0.97 g/mL (Specific Gravity at 25°C)
Solubility in water:	Not miscible
Partition coefficient n-octanol/water:	Log P > 9
Ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	100 cSt

10. Stability and reactivity

Reactivity:	Oxidizing material can cause a reaction.
Chemical stability:	Stable under normal usage conditions.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Avoid exposure to heat, sources of ignition and open flame.
Incompatible materials:	Can react with strong oxidizing agents.

Hazardous decomposition products: Thermal breakdown of this product during fire or very high heat conditions may result in emission of silica, carbon oxides and traces of incompletely burned carbon compounds and formaldehyde.

11. Toxicological information

Acute toxicity

Oral LD₅₀ (rat): > 5000 mg/kg
Dermal LD₅₀ (rabbit): > 10,200 mg/kg (for PDMS)
Inhalation LC₅₀ (4 hr, rat): > 11.58 mg/l (for PDMS in 25% white spirit)

Skin corrosion/irritation

Skin irritation (rabbit): No adverse effects are expected.

Serious eye damage/irritation

Eye irritation (rabbit): Minimally irritating. Irritation cleared by 24 hours (rabbit)

Respiratory or skin sensitization

No adverse effects are expected.

Germ cell mutagenicity:

Not mutagenic (PDMS)

Carcinogenicity:

Not carcinogenic (PDMS)

Reproductive toxicity:

No adverse effects are expected

STOT* single exposure:

Not available

STOT repeated exposure:

Not available

Aspiration hazard:

Not available

*Specific Target Organ Toxicity

12. Ecological information

Ecotoxicity:

Toxicity to aquatic organisms: No adverse effects on aquatic organisms are expected.

Toxicity to soil organisms: No adverse effect on soil micro-organisms, earthworms or subsequent crops grown in the soil are expected.

Persistence and degradability:

Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded into inorganic silica, carbon dioxide and water.

Bioaccumulative potential:

Bioaccumulation is unlikely to occur.

Mobility in soil:

If spread on soil, the silicone product is expected to degrade.

Other adverse effects:

Not available

13. Disposal considerations

Do not reuse empty containers. Wash empty containers three times with water and pour the washing water into the tank sprayer. Then offer for recycling or reconditioning, or puncture and dispose of in accordance with local regulations.

14. Transport information

Not classified for transportation.

15. Regulatory information

This data sheet complies with the requirements of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

16. Other information

The information contained herein is applicable solely to the indicated product, and does not relate to any other use of this product as described. Its use is intended by persons having technical skill and at their own discretion and risk. The information has been developed from sources reliable. This information is furnished without warranty, expressed or implied, including the warranties of merchantability and fitness for a particular purpose is made with respect to the information contained herein.

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