

# SAFETY DATA SHEET

## AQUATAIN AMF

### 1 IDENTIFICATION

**GHS PRODUCT IDENTIFIER**

AQUATAIN AMF

**OTHER MEANS OF IDENTIFICATION**

AQUATAIN AMF LIQUID MOSQUITO FILM; MOSQUITO BARRIER FILM DROPS; AQUATAIN DROPS

**RECOMMENDED USE OF CHEMICAL AND RESTRICTION ON USE**

Mosquito control.

**SUPPLIER'S DETAILS**

AQUATAIN PRODUCTS PTY. LTD.  
19 SHEPHERDS HILL RD, LAURISTON, VIC 3444.  
AUSTRALIA.

Phone: +61 409 240 250

Web: [www.aquatain.com](http://www.aquatain.com)

**EMERGENCY PHONE NUMBER**

+61 409 240 250

### 2 HAZARD IDENTIFICATION

**CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

Non-hazardous.

**GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS:**

**PICTOGRAM:** None required.

**SIGNAL WORD:** None.

**HAZARD STATEMENTS:** None.

**PRECAUTIONARY STATEMENTS****GENERAL**

P102: Keep out of the reach of children.

**PREVENTION**

None.

**RESPONSE**

P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do not induce vomiting.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**STORAGE**

None

# SAFETY DATA SHEET

## AQUATAIN AMF

### DISPOSAL

P501: Dispose of contents/container in accordance with local/state and federal regulations.

### OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION

This product is a C2 combustible liquid as defined by AS 1940 and should be treated as such.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### SUBSTANCES

Ingredients determined not to be hazardous to 100%

### MIXTURES

Not applicable

## 4 FIRST AID MEASURES

### DESCRIPTION OF NECESSARY FIRST AID MEASURES

#### INHALATION

Inhalation is highly unlikely as product is not volatile. If it does occur, remove victim to fresh air.

#### SKIN

Wash skin with water. Remove affected clothing (including footwear). In case of persistent irritation, seek medical attention.

#### EYES

Flush eyes with clean water, holding the eye lids apart. Remove contact lenses, if present. Keep washing for at least 15 minutes.

#### INGESTION

Wash out mouth with water. Remove dentures if present.

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

**EYE CONTACT:** May be irritating to eyes. Symptoms may include pain, watering, temporary vision reduction and redness.

**INHALATION:** Highly unlikely, as product is non-volatile liquid.

**SKIN CONTACT:** Not expected to be a problem.

**INGESTION:** Not expected to be a problem, as product is oily and unpalatable. However, ingestion in quantities of a cupful or more may cause temporary diarrhoea.

### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

**NOTE TO PHYSICIAN:** Treat symptomatically.

# SAFETY DATA SHEET

## AQUATAIN AMF

### 5 FIRE FIGHTING MEASURES

#### **SUITABLE EXTINGUISHING MEDIA**

SUITABLE EXTINGUISHING MEDIA: Dry chemical, carbon dioxide or alcohol resistant foam.

#### **SPECIFIC HAZARDS ARISING FROM THE CHEMICAL**

Decomposition products include oxides of carbon and silicon compounds.

#### **SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS**

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA). Move containers from fire area if safe to do so. Be aware that hot drums may burst, releasing hot combustible liquid.

### 6 ACCIDENTAL RELEASE MEASURES

#### **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Remove or shut off all sources of ignition, if safe to do so. Product on the floor or stairs will be slippery. Wear appropriate personal protective equipment.

#### **ENVIRONMENTAL PRECAUTIONS**

Avoid allowing run off into drains and waterways. If this appears to be likely, advise local EPA.

#### **METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

**SMALL SPILL:** Stop leak, if safe to do so. Absorb spill with an inert material (e.g. vermiculite, soil) and place in suitable, labelled containers. Dispose of responsibly.

**LARGE SPILL:** Prevent entry of spillage onto lower floors or into basements, confined spaces, drains or watercourses. Pump to into an effluent treatment plant, if available. Alternatively, proceed as above for small spills and absorb into an inert solid. The EPA or emergency services may need to be alerted. In case of injury, Work Safe needs to be advised.

### 7 HANDLING AND STORAGE

#### **PRECAUTIONS FOR SAFE HANDLING**

Keep well away from ignition sources. Keep containers tightly closed when not in use. Do not reuse empty containers. Wear suitable personal protective equipment. Use only in bunded areas.

#### **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Store and handle in a cool well ventilated, bunded area. Keep well away from ignition sources in a suitable flammables store. Retain in tightly sealed original packaging.

# SAFETY DATA SHEET

## AQUATAIN AMF

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **CONTROL PARAMETERS**

No Safe Work Australia exposure standard.

#### **APPROPRIATE ENGINEERING CONTROLS**

If used in a confined space, flame-proof forced ventilation is recommended as a precaution.

#### **INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Eye and face and protection should be chosen to comply with relevant Australian Standards if an assessment indicates that there is a risk of liquid splashes. Suppliers of safety equipment are able to advise on the suitability of the various alternatives.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Off-white liquid

SPECIFIC GRAVITY: Approx. 0.95

INITIAL BOILING POINT: Not available.

FLASH POINT: >150°C.

SOLUBILITY IN WATER: Not miscible.

### 10 STABILITY AND REACTIVITY

#### **REACTIVITY**

Generally of low reactivity. May react with strong oxidizing agents.

#### **CHEMICAL STABILITY**

Generally stable except as noted above.

#### **POSSIBILITY OF HAZARDOUS REACTIONS**

Unlikely.

#### **CONDITIONS TO AVOID**

Heating above ambient temperature. All ignition sources.

#### **INCOMPATIBLE MATERIALS**

Oxidising agents.

#### **HAZARDOUS DECOMPOSITION PRODUCTS**

Oxides of carbon and compounds of silicon.

# SAFETY DATA SHEET

## AQUATAIN AMF

### 11 TOXICOLOGICAL INFORMATION

#### **INFORMATION ON THE LIKELY ROUTES OF EXPOSURE**

INHALATION: Vapours produced by heating or misting may be irritating to the respiratory system.

#### **SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS**

INHALATION: No specific human data.

INGESTION: No specific human data.

SKIN CONTACT: No specific human data.

EYE CONTACT: No specific human data.

#### **DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT OR LONG TERM EXPOSURE**

No quantitative data.

#### **NUMERICAL MEASURES OF TOXICITY (SUCH AS ACUTE TOXICITY ESTIMATES)**

No quantitative data.

### 12 ECOLOGICAL INFORMATION

#### **AIR**

This product is a high molecular weight liquid polymer which has a very low vapour pressure (<1mm Hg). As a result it is unlikely to become an atmospheric contaminant unless generated as an aerosol (which is highly unlikely as the product is self-spreading and does not require spray equipment).

#### **WATER**

This product has a very low water solubility (<100 ppb). As it has a specific gravity of < 1, if discharged to water, it will initially form a surface film. As the product is non-volatile and has a high binding affinity for particulate matter, it will adsorb to particulates and sediment out.

#### **SOIL**

If discharged to surface water, this product will bind to sediment. If discharged in effluent to a waste water treatment plant, the product is removed from the aqueous phase by binding to sewage sludge. If the sewage sludge is subsequently spread on soil, the silicone product will degrade.

#### **DEGRADATION**

This product, polydimethylsiloxane, degrades in soil abiotically to form smaller molecules. These in turn are either biodegraded in soil or volatilized into the air where they are broken down in the presence of sunlight. Under appropriate conditions, the ultimate degradation products are inorganic silica, carbon dioxide and water vapour. Due to the very low water solubility of this product, standard OECD protocols for ready and inherent biodegradability are not suitable for measuring the biodegradability of this product. The product is removed > 80% during the sewage treatment process.

#### **TOXICITY TO WATER ORGANISMS**

This product has been shown to have no impact on aquatic organisms.

# SAFETY DATA SHEET

## AQUATAIN AMF

### TOXICITY TO SOIL ORGANISMS

Experiments show that when sewage sludge containing polydimethylsiloxane is added to soil, it has no effect on soil micro-organisms, earthworms or subsequent crops grown in the soil.

### BIOACCUMULATION

This product is a liquid and is a high molecular weight polymer. Due to its physical size it is unable to pass through, or be absorbed by biological membranes. This has been confirmed by testing or analogy with similar products.

### FATE AND EFFECTS IN WASTE WATER TREATMENT PLANTS

This product or similar products have been shown to be non-toxic to sewage sludge bacteria.

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Little material would be expected to go to waste. Any waste should be disposed of in accordance with local, state and federal regulations.

## 14 TRANSPORT INFORMATION

UN NUMBER: None.

PROPER SHIPPING NAME: None

DANGEROUS GOODS CLASS: None.

SUBSIDIARY RISK: None allocated

PACKING GROUP: None.

HAZCHEM CODE: None.

Not classified as a Dangerous Good according to the Australian Code for the transport of Dangerous Goods by Road and Rail, Edition 7.6.

Not classified as a Dangerous Good according to IATA Dangerous Goods Regulations, 2020 Edition. Not regulated or restricted.

## 15 REGULATORY INFORMATION

All components are listed on the AICS.

SUSMP: Not scheduled.

# SAFETY DATA SHEET

## AQUATAIN AMF

### 16 OTHER INFORMATION

#### **ABBREVIATIONS**

AICS: Australian Inventory of Chemical Substances.

CAS: Chemical Abstract Service

Cat: Category

GHS: Globally Harmonized System

LC50: The concentration which kills 50% of the test organisms.

LD50: The dose which kills 50% of the test organisms.

mg/L: milligrams/litre

ppm: Parts per million.

SUSMP: Standard for the Schedule of Medicines and Poisons ("Poisons Regulations").

TWA: Time weighted average.

#### **REFERENCES**

Nil.

#### **DISCLAIMER**

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this Company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is available on request.

**DATE: 10 February 2023**

Version 6. Reason for SDS: GHS format.

END OF SDS