



SAFETY DATA SHEET

SECTION 1. Identification of the Substance/Preparation and the Company/Undertaking

1.1 Product identifier

Commercial product name: **Pulsatec AF4**

1.2 Relevant identified uses of the substance or mixture and uses advised against Industrial

Use of substance/preparation: foam control agent

1.3 Details of supplier of the safety data sheet

Pulsar Water Technology Ltd
Connisbeare Cottage
Snapper
Barnstaple
EX32 7JY

1.4 Emergency telephone number: + 44 (0) 7836 293238

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Classification according to Regulation EC 1272/2008 (CLP)

This product is not classified as hazardous under Directive EC 1272/2008 (CLP)

2.2 Labelling elements

EU H208

Contains 5-Chloro-2-Methyl-2H-Isothiazol-3-one/2-Methyl-2H-Isothiazol-3-one (CMIT/MIT) may produce an allergic reaction.

2.3 Other hazards

No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

An emulsion of polydimethyl siloxane.

Component	EINECS No.	H Phrase	Concentration
Alcohol ethoxylate	500-017-8	H400,	H411 <2%

Classification (REGULATION (EC) No 1272/2008)

Acute aquatic toxicity, Category 1 H400: Very toxic to aquatic life.

Chronic aquatic toxicity, Category 2 H411: Toxic to aquatic life with long lasting effects.



SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information:

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible)

After Inhalation: Provide fresh air. Seek medical attention in case of complaints

After contact with skin: Remove contaminated clothing. Wash thoroughly with soap and water.

After contact with eyes: Rinse thoroughly with water. If irritation persists, seek medical advice.

After swallowing: Do not induce vomiting. Drink milk. If a significant quantity has been ingested, seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in parts of this section.

4.3 Indication of any immediate medical attention and special treatment

No data available.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Carbon dioxide, foam, dry chemical powder, water spray.

5.2 Special hazards arising from substance or mixture

In a fire this product will release oxides of carbon.

5.3 Advice for fire fighters

Cool tanks and containers exposed to fire with water. Cover spills, which are not burning, with foam or sand.

Special protective equipment for fire fighters:

Use respiration and eye protection in case of smoke.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

If material is released indicate risk of slipping. Do not walk through spilled material.

6.2 Environmental precautions

Prevent liquid entering a sewer or water course.

6.3 Methods and material for containment and clean up

Absorb spilled liquid with sand or earth. Transfer to suitable clearly marked containers for disposal in accordance with national and local regulations.

6.4 Reference to other sections

Relevant information in other sections have to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).



SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene practices. Avoid contact with eyes and skin. Wash hands thoroughly after contact. Observe general rules for fire prevention.

7.2 Conditions for safe storage, including any incompatibilities

Store between 5°C and 30°C. Extremes of temperature may adversely affect the viscosity and stability of this product.

7.3 Specific end use

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Maximum airborne concentrations at the workplace:
Not applicable.

8.2 Exposure controls

Personal protective equipment

General protective and hygiene measures
Observe standard industrial hygiene practices for handling chemical substances. Keep away from food stuffs.

Respiratory protection

Respiratory protection is unnecessary providing the concentration of mists and fumes are adequately controlled.

Protection of hands

Wear Nitrile gloves

Eye protection

Wear protective eye goggles or visor.

Body protection

Wear light weight protective clothing

SECTION 9: TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance:	White emulsion
Odour:	Mild, characteristic
S.G.:	1.00 @ 20 °C
Boiling Point:	100°C
Flash Point:	> 150°C
Auto-flammability:	Not applicable
Explosive properties:	Not applicable
Oxidising properties:	Not applicable
Solubility in water:	Readily dispersible
Viscosity:	300 cPs @ 20° C (typically)
Partition coefficient, n-octanol water:	Not determined



SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.2 Chemical stability

Stable under the conditions of normal industrial practices.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Not known

10.5 Incompatible materials

Avoid strong oxidising agents.

10.6 Hazardous decomposition products

Oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

EYES: Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

SKIN: Unlikely to cause harm to the skin on brief or occasional contact.

INHALATION: At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility.

INGESTION: This product has a low systemic toxicity.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Fish toxicity: LC50 (96hr) > 200 mg/l Golden Orfe (*Leuciscus idus*) determined on PDMS

12.2 Persistence and biodegradability

This product is resistant to biodegradation

12.3 Bio-accumulative potential

This product is not expected to bioaccumulate.

12.4 Mobility in soil

Product disperses in water to form an emulsion.

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Siloxanes are removed from water by sedimentation or binding to sewage sludge.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of via an authorised waste disposal contractor in accordance with local regulations. Incineration may be carried out under controlled conditions providing the local regulations for emissions are met.



SECTION 14: TRANSPORT INFORMATION

14.1 UN number

R.I.D. / A.D.R. class: Not regulated for transport

I.A.T.A. class: Not regulated for transport

I.M.D.G. class: Not regulated for transport

14.2 UN proper shipping name

Not regulated for transport

14.3 Transport hazard class(es)

Not regulated for transport

14.4 Packing group

Not regulated for transport

14.5 Environmental hazards

Not hazardous to the environment

14.6 Special precautions for user

Relevant information in other sections have to be considered

14.7 Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

Bulk transport in tankers is not intended.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

Relevant regulations:

Regulation EC 1272/2008 (CLP)

SI 2002/2677: COSHH Regulations 2002

SI 1999/3242: Management of Health & Safety at Work Regulations 1999

Health & Safety at Work Act 1974

SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations.

Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

15.2 Chemical safety assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

15.3 Other international regulations

Details of international registration status:

Listed on or in accordance with the following inventories:

EINECS – Europe

ECL - Korea

ENCS - Japan

AICS - Australia

IECSC - China

DSL - Canada

PICCS - Philippines

TSCA - USA



SECTION 16: OTHER INFORMATION

16.1 Material

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

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