



SAFETY DATA SHEET

Azasure

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Azasure
Product Registration No. Marketing Authorisation Number (UK): 42016/4000, Markedsføringstillatelse nummer (Norway): 13-9411

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

Identified uses Aquaculture sea lice treatment (parasiticide)

1.3. Details of the supplier of the safety data sheet

Supplier Neptune Pharma Ltd
Regus House
Victory Way
Admirals Park
Crossways
Dartford
DA2 6QD
England
+44 845 123 3834
info@neptunepharma.com

Contact person Ian Bowler

1.4. Emergency telephone number

Emergency telephone +44 (0) 845 123 3834 (office hours only)
National emergency telephone number UK: 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Not Classified

Health hazards

Eye Irrit. 2 - H319

Environmental hazards

Aquatic Acute 1 - H400

Classification (67/548/EEC or 1999/45/EC)

Xi; R36. N; R50

Human health

Harmful if swallowed. Irritating to eyes.

Environmental

The product contains a substance which is very toxic to aquatic organisms.

Physicochemical

Not classified

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2.2. Label elements**Pictogram****Signal word**

Warning

Hazard statements

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

Precautionary statements

P264 Wash contaminated skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

P337+P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Azamethiphos	30-60%
CAS number: 35575-96-3 EC number: 252-626-0	
M factor (Acute) = 1	
Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302	Xn; R22. Xi; R36. N; R50
Eye Irrit. 2 - H319	
Aquatic Acute 1 - H400	
Naphthalenesulfonic acids, polymers with formaldehyde and sulfonated phenol, sodium salts	1-5%
CAS number: 67784-97-8 EC number: —	
Classification	Classification (67/548/EEC or 1999/45/EC)
Eye Irrit. 2 - H319	Xi; R36. R52/53
Aquatic Chronic 3 - H412	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation**

IF INHALED: Get medical attention. Show this Safety Data Sheet to the medical personnel.

Ingestion

IF SWALLOWED: Get medical attention. Show this Safety Data Sheet to the medical personnel.

Skin contact

Wash skin thoroughly with soap and water.

Eye contact

Wash with plenty of water. Get medical attention immediately.

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Protection of first aiders

Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

High concentrations may be fatal.

Eye contact

The product is irritating to eyes and skin.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Contains organophosphorous pesticide

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray, foam, dry powder or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Toxic gases or vapours.

5.3. Advice for firefighters

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

6.2. Environmental precautions

Environmental precautions

Very toxic to aquatic life. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely. Avoid generation and spreading of dust. Wash thoroughly after dealing with a spillage. Ventilate area after spill.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Avoid contact with skin, eyes and clothing. Do not breathe dust. Avoid prolonged or repeated exposure.

Advice on general occupational hygiene

Persons with impaired lung function should not handle this product. Do not eat, drink or smoke when using this product. Provide eyewash station and safety shower. Change work clothing daily before leaving workplace. Wash skin thoroughly after handling. Use appropriate skin cream to prevent drying of skin.

7.2. Conditions for safe storage, including any incompatibilities

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Storage precautions

Store in tightly-closed, original container in a dry and cool place. Keep locked up and out of the reach of children. Use appropriate containment to avoid environmental contamination.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Azamethiphos

No Occupational Exposure Limits available.

Naphthalenesulfonic acids, polymers with formaldehyde and sulfonated phenol, sodium salts

No Occupational Exposure Limits available.

Azamethiphos (CAS: 35575-96-3)

PNEC

PNEC / EQS - Marine water; 3 hour after release within mixing zone 250 ng/l

PNEC / EQS - Marine water; 72 hour after final release within mixing zone 100 ng/l

PNEC / EQS - Marine water; 72 hour after final release outside mixing zone 40 ng/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Use mechanical ventilation if there is a risk of handling causing formation of airborne dust.

Personal protection

Wear suitable protective clothing (waterproof coveralls).

Eye/face protection

The following protection should be worn: Full face visor or shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

It is recommended that chemical-resistant, impervious gloves are worn. Wear protective gauntlets made of the following material: Nitrile rubber. To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection

Renew protective clothing and gloves regularly. Replace protective clothing and gloves immediately if cracked or damaged. Provide eyewash station and safety shower.

Hygiene measures

Wash hands thoroughly after handling. Wash skin thoroughly after handling.

Respiratory protection

Respiratory protection may be required if excessive airborne contamination occurs. Wear a full facepiece respirator fitted with the following cartridge: Particulate filter, type P1. Particulate filters should comply with European Standard EN143.

Environmental exposure controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Powder.

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Colour

Beige.

Odour

Foul

pH

pH (diluted solution): 5-7 1%

Melting point

88.54°C (active substance)

Relative density

1.60 g/cm³ (active substance)

Solubility(ies)

1.38 g/l water @ 20°C (active substance)

Partition coefficient

log Pow: 1.07 (active substance)

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Materials to avoid

Oxidising agents.

10.6. Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x). Hydrogen chloride (HCl). Sulphurous gases (SO_x). Hydrogen sulphide (H₂S). Phosphorous oxides (PO_x)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)

2,360.0

Serious eye damage/irritation

Irritation of eyes is assumed.

Inhalation

May be harmful if inhaled. May be irritating to mucous membranes and upper respiratory tract.

Ingestion

May cause discomfort if swallowed.

Skin contact

May cause skin irritation.

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Eye contact

Causes eye irritation.

SECTION 12: Ecological Information

Ecotoxicity

Very toxic to aquatic life.

Zinc Oxide

12.1. Toxicity

Acute toxicity - fish

LC₅₀, 96 hour: 0.1 mg/l, *Gasterosteus aculeatus* (Three-spined stickleback)

Acute toxicity - aquatic invertebrates

LC₅₀, 96 hour: 0.00052 mg/l, *Homarus gammarus* (Marine invertebrate)

Acute toxicity - aquatic plants

EC₅₀, 72 hour: >1 mg/l, *Phaeodactylum tricornutum* (Marine algae)

12.2. Persistence and degradability

Persistence and degradability

The product is biodegradable.

Biodegradation

Water - DT₅₀ : ≤ 4.56 days

12.3. Bioaccumulative potential

Partition coefficient

log Pow: 1.07 (active substance)

12.4. Mobility in soil

Mobility

Mobile.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of waste via a licensed waste disposal contractor. Waste is suitable for incineration.

SECTION 14: Transport information

14.1. UN number

UN 3077

14.2. UN proper shipping name

Environmentally hazardous substance, solid, N.O.S (azamethiphos)

14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	T7
IMDG class	9
ICAO class/division	9
Transport labels	

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14.4. Packing group

III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



Yes.

14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Hazard Identification Number (ADR/RID)	60

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

Not applicable.

SECTION 15: Regulatory information

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

Water hazard classification

WGK 3

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

EINECS

SECTION 16: Other information

Revision date	27/01/2015
SDS number	4514
Risk phrases in full	R22 Harmful if swallowed. R36 Irritating to eyes. R50 Very toxic to aquatic organisms. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard statements in full	H302 Harmful if swallowed. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.