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

- **Product identifier**
- **Trade name:** Salmosan Vet
- **Relevant identified uses of the substance or mixture and uses advised against**
  No further relevant information available.
- **Application of the substance / the preparation**
  Veterinary Medicinal Product. Powder for suspension for fish treatment containing 50% w/w azamethiphos, for the control of mature pre-adult to adult sea-lice (Lepeoptheirus salmonis and/or Caligus species) on farmed Atlantic salmon (Salmo salar). Consumables for biochemistry analyzer
- **Manufacturer/Supplier:**
  Fish Vet Group
  22 Carsegate Road
  Inverness
  IV3 8EX
  Scotland UK

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
  - GHS09 environment
    - Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.
  - GHS07
    - Skin Sens. 1 H317 May cause an allergic skin reaction.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
  - Xi: Sensitising
    - R43: May cause sensitisation by skin contact.
  - N: Dangerous for the environment
    - R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.

Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

Label elements

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)
Trade name: Salmosan Vet

3 Composition/information on ingredients

- Chemical characterisation: Mixtures
  - Description: Mixture of substances listed below with nonhazardous additions.

- Dangerous components:
  - CAS: 35575-96-3
  - EINECS: 252-626-0
  - RTECS: TE8070000
  - Azamethiphos
    - Xn R22; Xi R36; Xi R43; N R50/53
    - Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1, H317
    - 48.0 - 51.5%

- Additional information: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- Description of first aid measures
- General information:
  - Symptoms of poisoning may occur even after several hours; therefore medical observation for at least 48 hours after the accident is recommended.
  - After inhalation:
    - Supply fresh air and to be sure call for a doctor.
    - In case of unconsciousness place patient in recovery position for transport.
  - After skin contact: Immediately wash with water and soap and rinse thoroughly.
  - After eye contact:
    - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - After swallowing:
    - Rinse mouth. Do not induce vomiting.
    - Call for a doctor immediately.

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Trade name: Salmosan Vet

- Information for doctor:
  - Most important symptoms and effects, both acute and delayed
    Headache
    Dizziness
    Disorientation
    Nausea
  - Indication of any immediate medical attention and special treatment needed
    No further relevant information available.

5 Firefighting measures

- Extinguishing media
  - Suitable extinguishing agents:
    CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture
  - Formation of toxic gases is possible during heating or in case of fire.
- Advice for firefighters
  - Protective equipment: Wear self-contained respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective clothing.
- Environmental precautions:
  - Inform respective authorities in case of seepage into water course or sewage system.
  - Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up: Pick up mechanically.
- Reference to other sections
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

7 Handling and storage

- Handling:
  - Precautions for safe handling
  - Information about fire and explosion protection: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles:
    - Store in a cool location.
    - Store only in the original receptacle.
    - Keep container in a well-ventilated place. Keep away from sources of ignition and heat.
  - Information about storage in one common storage facility: Store away from foodstuffs.
  - Further information about storage conditions: None.
  - Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
Trade name: Salmosan Vet

Control parameters
- Ingredients with limit values that require monitoring at the workplace:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: Lists used were valid at the time of SDS preparation.

Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
  Immediately remove all soiled and contaminated clothing
  Wash hands before breaks and at the end of work.
- Respiratory protection: Not required.
- Protection of hands:
  Protective gloves
  Only use chemical-protective gloves with CE-labelling of category III.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  Material of gloves
  Nitrile rubber, NBR
  Length at least 300mm, thickness 0.5mm
  Penetration time of glove material
  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection:
  Tightly sealed goggles

9 Physical and chemical properties

- Information on basic physical and chemical properties
  General Information
  Appearance:
  Form: Powder
  Colour: Beige
  Odour: Characteristic
  Odour threshold: Not determined
  pH-value: Not applicable
  Change in condition
  Melting point/Melting range: Not determined
  Boiling point/Boiling range: Not determined
  Flash point: Not applicable
  Flammability (solid, gaseous): Not determined
  Ignition temperature:
  Decomposition temperature: Not determined
Trade name: Salmosan Vet

- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Not determined.
- **Explosion limits:**
  - Lower: Not determined.
  - Upper: Not determined.
- **Vapour pressure:** Not applicable.
- **Density at 20 °C:** 1.6 g/cm³
- **Relative density:** Not determined.
- **Vapour density:** Not applicable.
- **Evaporation rate:** Not applicable.
- **Solubility in / Miscibility with water:** Dispersible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.
- **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** Stable under normal conditions.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** Formation of toxic gases is possible during heating or in case of fire.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Heat.
- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:** Formation of toxic gases is possible during heating or in case of fire.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
  - **LD/LC50 values relevant for classification:**
    - 35575-96-3 Azamethiphos
      - Oral LD50 1040 mg/kg (rat)
      - Dermal LD50 >2150 mg/kg (rat)
  - **Primary irritant effect:**
    - **on the skin:**
      - No irritating effect.
    - **on the eye:** No irritating effect.
    - **Sensitisation:** Sensitization possible through skin contact.
  - **Additional toxicological information:**
    The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Trade name: Salmosan Vet

Irritant

12 Ecological information

- Toxicity
  - Aquatic toxicity:
    - 35575-96-3 Azamethiphos
      - LC50/48 0.0007 mg/l (daphnia)
      - LC50/96 h 0.2 mg/l (fish)

- Persistence and degradability
  No further relevant information available.

- Behaviour in environmental systems:

- Bioaccumulative potential
  No further relevant information available.

- Mobility in soil
  No further relevant information available.

- Ecotoxicological effects:

- Remark: Very toxic for fish

- Additional ecological information:

- General notes:
  Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
  Do not allow product to reach ground water, water course or sewage system, even in small quantities.
  Danger to drinking water if even extremely small quantities leak into the ground.
  Also poisonous for fish and plankton in water bodies.
  Very toxic for aquatic organisms

- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

- Other adverse effects
  No further relevant information available.

13 Disposal considerations

- Waste treatment methods

- Recommendation
  Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- European waste catalogue

  18 02 03 wastes whose collection and disposal is not subject to special requirements in order to prevent infection

  18 02 05* chemicals consisting of or containing dangerous substances

- Uncleaned packaging:

  Recommendation: Dispose of in accordance with national regulations.

14 Transport information

- UN-Number
  UN3077

- ADR, IMDG, IATA
  3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Azamethiphos)
  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Azamethiphos), MARINE POLLUTANT
  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Azamethiphos)
### Transport hazard class(es)
- ADR, IMDG, IATA

### Class
- 9 Miscellaneous dangerous substances and articles.

### Packing group
- ADR, IMDG, IATA
- III

### Environmental hazards:
Product contains environmentally hazardous substances:
- Azamethiphos

### Marine pollutant:
- Yes
- Symbol (fish and tree)

### Special marking (ADR):
- Symbol (fish and tree)

### Special marking (IATA):
- Symbol (fish and tree)

### Special precautions for user
Warning: Miscellaneous dangerous substances and articles.

### Danger code (Kemler):
- 90

### EMS Number:
- F-A,S-F

### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

### Transport/Additional information:

#### ADR
- Excepted quantities (EQ):
  - E1
- Limited quantities (LQ):
  - 5 kg
- Transport category:
  - 3
- Tunnel restriction code:
  - E

##### Remarks:
ADR 2015– Special Provision 375
These substances/marine pollutants when packaged/carried in single or combination packagings having a net mass per single or inner packaging of 5kg or less for solids, are not subject to any other provisions of ADR/IATA/(IMDG Code – relevant to marine pollutants) provided the packagings meet the general requirements specified in each modal regulation.

#### IMDG
- Remarks:
IMDG Amendment 37-14 – Para 2.10.2.7
These substances/marine pollutants when packaged/carried in single or combination packagings having a net mass per single or inner packaging of 5kg or less for solids, are not subject to any other provisions of ADR/IATA/(IMDG Code – relevant to marine pollutants) provided the packagings meet the general requirements specified in each modal regulation.

#### IATA
- Remarks:
ICAO Technical Instructions 2015-2016/IATA 2015 – Special Provision 197
These substances/marine pollutants when packaged/carried in single or combination packagings having a net mass per single or inner packaging of 5kg or less for solids, are not subject to any other provisions of ADR/IATA/(IMDG Code – relevant to marine pollutants) provided the packagings meet the general requirements specified in each modal regulation.
Trade name: Salmosan Vet

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- requirements specified in each modal regulation.
- UN "Model Regulation": UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Azamethiphos), 9, III

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Philippines Inventory of Chemicals and Chemical Substances
    None of the ingredients is listed.
  - Australian Inventory of Chemical Substances
    35575-96-3 Azamethiphos
  - Standard for the Uniform Scheduling of Drugs and Poisons
    None of the ingredients is listed.
  - Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
  - H302 Harmful if swallowed.
  - H317 May cause an allergic skin reaction.
  - H400 Very toxic to aquatic life.
  - H410 Very toxic to aquatic life with long lasting effects.
  - R22 Harmful if swallowed.
  - R36 Irritating to eyes.
  - R43 May cause sensitisation by skin contact.
  - R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- Abbreviations and acronyms:
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent

- Sources