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

### 1.1. Product identifier
- **Product form**: Mixtures
- **Trade name**: Salmosan Vet
- **Type of product**: Veterinary Medicinal Product

### 1.2. Relevant identified uses of the substance or mixture and uses advised against
#### 1.2.1. Relevant identified uses
  - **Function or use category**: 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).

#### 1.2.2. Uses advised against
- No additional information available

### 1.3. Details of the supplier of the safety data sheet
- **Fish Vet Group**
  - 22 Carsegate Road
  - IV3 8EX Inverness - UK
  - T +44 (0)1463 717774
  - info@fishvetgroup.com

### 1.4. Emergency telephone number
- **Emergency number**: UK: +44 (0) 845 0093342
  - International: +44 (0) 1233 849729

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture
**Classification according to Regulation (EC) No. 1272/2008 [CLP]**
- Acute toxicity (oral), Category 4 H302
- Skin sensitisation, Category 1 H317
- Hazardous to the aquatic environment — Acute Hazard, Category 1 H400
- Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410

**Full text of H statements**: see section 16

**Adverse physicochemical, human health and environmental effects**
- No additional information available

### 2.2. Label elements
**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**
- **Hazard pictograms (CLP)**: ![](GH07.png) ![](GH09.png)
- **Signal word (CLP)**: Warning
- **Hazardous ingredients**: AZAMETHIPHOS
- **Hazard statements (CLP)**:
  - H302 - Harmful if swallowed
  - H317 - May cause an allergic skin reaction
  - H410 - Very toxic to aquatic life with long lasting effects
- **Precautionary statements (CLP)**:
  - P102 - Keep out of reach of children
  - P261 - Avoid breathing dust, fume
  - P264 - Wash hands, forearms and face thoroughly after handling
  - P270 - Do not eat, drink or smoke when using this product
  - P272 - Contaminated work clothing should not be allowed out of the workplace
  - P273 - Avoid release to the environment
2.3. Other hazards not contributing to the classification
No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>AZAMETHIPHOS</td>
<td>(CAS-No.) 35575-96-3 (EC-No.) 252-626-0</td>
<td>48-51.5</td>
<td>Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:gas), H332 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Symptoms of poisoning may occur even after several hours; therefore medical observation for at least 48 hours after the accident is recommended.

First-aid measures after inhalation: Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Rinse mouth. Do not induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell.

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

Symptoms/effects: Signs and symptoms of overexposure to this product include headache, irritation of upper respiratory tract, asthmatic symptoms, and chest tightness, breathing difficulty, coughing, in coordination, weakness, eye irritation, blurred vision, skin irritation, diarrhea, tingling or numbness, unconsciousness, changes in blood pressure, heart rate and respiratory failure. Severe poisoning can include general muscle twitching, loss of coordination, extreme difficulty with breathing and convulsions which may lead to unconsciousness in the absence of medical treatment.

Symptoms/effects after inhalation: Can cause respiratory tract irritation.

Symptoms/effects after skin contact: May cause an allergic skin reaction.

Symptoms/effects after eye contact: May cause eye irritation.

Symptoms/effects after ingestion: Swallowing a small quantity of this material will result in serious health hazard.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media


Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protective equipment for firefighters: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.
Emergency procedures: Ventilate area.

6.2. Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
For containment: Collect spillage.
Methods for cleaning up: Mechanically recover the product.
Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray.
Hygiene measures: Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a well-ventilated place. Keep cool. Store in original container. Keep away from ignition sources.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Keep away from sources of ignition and heat.

7.3. Specific end use(s)
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).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Country</th>
<th>Control parameter</th>
<th>Value (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austria</td>
<td>MAK (mg/m³)</td>
<td>4 mg/m³</td>
</tr>
<tr>
<td>Austria</td>
<td>Remark (AT)</td>
<td>inhalable aerosol</td>
</tr>
<tr>
<td>Denmark</td>
<td>Grænseværdie (langvarig) (mg/m³)</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Denmark</td>
<td>Grænseværdie (kortvarig) (mg/m³)</td>
<td>4 mg/m³</td>
</tr>
<tr>
<td>Denmark</td>
<td>Anmærkninger (DK)</td>
<td>inhalable aerosol</td>
</tr>
<tr>
<td>Finland</td>
<td>HTP-arvo (8h) (mg/m³)</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Germany</td>
<td>TRGS 900 Occupational exposure limit value (mg/m³)</td>
<td>4 mg/m³</td>
</tr>
<tr>
<td>Germany</td>
<td>Remark (TRGS 900)</td>
<td>(gemessen als einatembarer Aerosolanteil)</td>
</tr>
<tr>
<td>Spain</td>
<td>VLA-ED (mg/m³)</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Spain</td>
<td>Notes</td>
<td>respirable aerosol</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (mg/m³)</td>
<td>6 mg/m³ inhalable aerosol</td>
</tr>
<tr>
<td>Switzerland</td>
<td>VME (mg/m³)</td>
<td>4 mg/m³</td>
</tr>
<tr>
<td>Switzerland</td>
<td>Remark (CH)</td>
<td>inhalable aerosol</td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>VEMP (mg/m³)</td>
<td>6 mg/m³</td>
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<tr>
<td>USA - NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>6 mg/m³</td>
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<tr>
<td>USA - OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
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</tr>
<tr>
<td>USA - OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>20 ppm</td>
</tr>
</tbody>
</table>
Additional information: Chemical resistant nitrile rubber gloves (to European standard EN 374 or equivalent); Use eye protection to EN 166, designed to protect against powders and dusts

8.2. Exposure controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:
Wear protective gloves. Nitrile rubber. Length at least 300mm, thickness 0.5mm

Eye protection:
tightly fitting safety goggles

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
Wear suitable respiratory protective device with particle filter.

Environmental exposure controls:
Avoid release to the environment.

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Colour</td>
<td>Beige</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
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<td>Odour threshold</td>
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</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
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</tr>
<tr>
<td>Melting point</td>
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</tr>
<tr>
<td>Freezing point</td>
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</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No self-ignition</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined Non flammable</td>
</tr>
<tr>
<td>Vapour pressure</td>
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</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
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<tr>
<td>Relative density</td>
<td>Not applicable</td>
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<tr>
<td>Density</td>
<td>1.6 g/cm³</td>
</tr>
<tr>
<td>Solubility</td>
<td>Dispersible</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

9.2. Other information
No additional information available
SECTION 10: Stability and reactivity

10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials
Strong acids, strong bases.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

**Acute toxicity**
- Oral: Harmful if swallowed.

**ATE CLP (oral)**
- 1000.000 mg/kg bodyweight

**Skin corrosion/irritation**
- Not classified

**Additional information**
- Based on available data, the classification criteria are not met

**Serious eye damage/irritation**
- Not classified

**Respiratory or skin sensitisation**
- May cause an allergic skin reaction.

**Germ cell mutagenicity**
- Not classified

**Carcinogenicity**
- Not classified

**Reproductive toxicity**
- Not classified

**Additional information**
- Based on available data, the classification criteria are not met

**STOT-single exposure**
- Not classified

**STOT-repeated exposure**
- Not classified

**Aspiration hazard**
- Not classified

**Additional information**
- Based on available data, the classification criteria are not met

**Potential Adverse human health effects and symptoms**
- Harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

**Ecology - general**
- Very toxic to aquatic life.

**Ecology - water**
- Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

**Salmosan Vet**
- Persistence and degradability: May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

**Salmosan Vet**
- Bioaccumulative potential: Not established.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

Additional information: Avoid release to the environment.


**SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials: Avoid release to the environment.

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
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</thead>
<tbody>
<tr>
<td>14.1</td>
<td>UN number</td>
<td>3077</td>
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<tr>
<td>14.2</td>
<td>UN proper shipping name</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.</td>
<td>Environmentally hazardous substance, solid, n.o.s.</td>
</tr>
<tr>
<td></td>
<td>Transport document description</td>
<td>UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (AZAMETHIPHOS), 9, III, (E)</td>
<td>UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (AZAMETHIPHOS), 9, III, MARINE POLLUTANT</td>
<td>UN 3077 Environmentally hazardous substance, solid, n.o.s. (AZAMETHIPHOS), 9, III</td>
</tr>
<tr>
<td>14.3</td>
<td>Transport hazard class(es)</td>
<td>9</td>
<td>9</td>
<td>9</td>
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<td></td>
<td>Dangerous for the environment: Yes</td>
<td>Dangerous for the environment: Yes</td>
<td>Dangerous for the environment: Yes</td>
<td>Not regulated</td>
</tr>
<tr>
<td></td>
<td>Marine pollutant: Yes</td>
<td>Marine pollutant: Yes</td>
<td>Marine pollutant: Yes</td>
<td>Not regulated</td>
</tr>
<tr>
<td></td>
<td>No supplementary information available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**14.4. Packing group**

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
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<td></td>
<td>III</td>
<td>III</td>
<td>III</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

**14.5. Environmental hazards**

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

**14.6. Special precautions for user**

- **Overland transport**
  - Classification code (ADR): M7
  - Special provisions (ADR): 274, 335, 601, 375
  - Limited quantities (ADR): 5kg
  - Excepted quantities (ADR): E1
  - Packing instructions (ADR): P002, IBC08, LP02, R001
  - Mixed packing provisions (ADR): MP10
  - Portable tank and bulk container instructions (ADR): T1, BK1, BK2
  - Portable tank and bulk container special provisions (ADR): TP33
  - Tank code (ADR): SGAV, LGBV
  - Vehicle for tank carriage: AT
  - Transport category (ADR): 3
  - Special provisions for carriage - Packages (ADR): V13
  - Special provisions for carriage - Bulk (ADR): VC1, VC2
  - Special provisions for carriage - Loading, unloading and handling (ADR): CV13
  - Hazard identification number (Kemler No.): 90
Orange plates

*Tunnel restriction code (ADR)* : E

*EAC code* : 2Z

**- Transport by sea**

*Special provisions (IMDG)* : 274, 335, 966, 967, 969

*Limited quantities (IMDG)* : 5 kg

*Excepted quantities (IMDG)* : E1

*Packing instructions (IMDG)* : P002, LP02

*Special packing provisions (IMDG)* : PP12

*IBC packing instructions (IMDG)* : IBC08

*IBC special provisions (IMDG)* : B3

*Tank instructions (IMDG)* : T1, BK1, BK2, BK3

*Tank special provisions (IMDG)* : TP33

*EmS-No. (Fire)* : F-A

*EmS-No. (Spillage)* : S-F

*Stowage category (IMDG)* : A

*Stowage and handling (IMDG)* : SW23

**- Air transport**

*PCA Excepted quantities (IATA)* : E1

*PCA Limited quantities (IATA)* : Y956

*PCA limited quantity max net quantity (IATA)* : 30kg

*PCA packing instructions (IATA)* : 956

*PCA max net quantity (IATA)* : 400kg

*CAO packing instructions (IATA)* : A97, A158, A179, A197

*CAO max net quantity (IATA)* : 400kg

*Special provisions (IATA)* : 9L

**- Inland waterway transport**

Not regulated

**- Rail transport**

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

**SECTION 15: Regulatory information**

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

**Germany**

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)


**Netherlands**

SZW-liist van kankerverwekkende stoffen : None of the components are listed

SZW-liist van mutagene stoffen : None of the components are listed
Salmosan Vet
Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

NIET-limiteerde lijst van voor de voortplanting giftige stoffen – Borstvoeding: None of the components are listed
NIET-limiteerde lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid: None of the components are listed
NIET-limiteerde lijst van voor de voortplanting giftige stoffen – Ontwikkeling: None of the components are listed

Denmark
Recommendations Danish Regulation: Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information


Other information: None.

Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Inhalation:gas)</th>
<th>Acute toxicity (inhalation:gas) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral), Category 4</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 1</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitisation, Category 1</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>H302</th>
<th>Calculation method</th>
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</thead>
<tbody>
<tr>
<td>Skin Sens. 1</td>
<td>H317</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>H400</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>H410</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product