

| Version | Revision Date: | SDS Number: | Date of last issue: 14.04.2025 |
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Cefquinome LC Formulation

Other means of identification : Cobactan LC (A008116)

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

| Use of the Sub- stance/Mixture | : Veterinary product |
|-----------------------------------|----------------------|
| Recommended restrictions on use | : Not applicable |

1.3 Details of the supplier of the safety data sheet

| Company | : | MSD Kilsheelan Clonmel Tipperary, IE |
|--|---|--|
| Telephone | : | 353-51-601000 |
| E-mail address of person responsible for the SDS | : | EHSDATASTEWARD@msd.com |

1.4 Emergency telephone number

+1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

| Aspiration hazard, Category 1 | H304: May be fatal if swallowed and enters air- |
|--|---|
| | ways. |
| Long-term (chronic) aquatic hazard, Cat- | H412: Harmful to aquatic life with long lasting ef- |

egory 3 fects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word



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| Hazar | d statements | : H304 H412 | | al if swallowed and enters airways. aquatic life with long lasting effects. |
| Preca | utionary statements | · Prever P273 | | ase to the environment. |
| | | Respo P301 + CENTE P331 | P310 IF R/ doctor. | SWALLOWED: Immediately call a POISON duce vomiting. |
| | | Storag P405 | e: Store lock | ed up. |
| Hazar | dous components which | h must be li | sted on the | label: |

Paraffin oil

EUH208 Contains Cefquinome. May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|---------------|---|---|--------------------------|
| Paraffin oil | 8012-95-1 232-384-2 | Asp. Tox. 1; H304 Aquatic Chronic 4; H413 | >= 50 - < 70 |
| Cefquinome | 118443-89-3 | Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1B; H334 STOT SE 3; H335 | >= 0,25 - < 1 |



according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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| | | | Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1 |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

| 4.1 Description of first aid measures | | | | | |
|--|-------|---|--|--|--|
| General advice | : | In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice. | | | |
| Protection of first-aiders | : | First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8). | | | |
| If inhaled | : | If inhaled, remove to fresh air. Get medical attention if symptoms occur. | | | |
| In case of skin contact | : | Wash with water and soap as a precaution. Get medical attention if symptoms occur. | | | |
| In case of eye contact | : | Flush eyes with water as a precaution. Get medical attention if irritation develops and persists. | | | |
| If swallowed | : | If swallowed, DO NOT induce vomiting. If vomiting occurs have person lean forward. Call a physician or poison control centre immediately. Never give anything by mouth to an unconscious person. | | | |
| 4.2 Most important symptoms | and e | ffects, both acute and delayed | | | |
| Risks | : | May produce an allergic reaction. | | | |
| | | May be fatal if swallowed and enters airways. | | | |
| 4.3 Indication of any immediate medical attention and special treatment needed Treatment : Treat symptomatically and supportively. | | | | | |
| | | | | | |



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SECTION 5: Firefighting measures

5.1 Extinguishing media

| Suitable extinguishing media | : | Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical |
|---|----|---|
| Unsuitable extinguishing media | : | None known. |
| 5.2 Special hazards arising from t | he | substance or mixture |
| Specific hazards during fire- fighting | : | Exposure to combustion products may be a hazard to health. |

Hazardous combustion prod- : Carbon oxides ucts

5.3 Advice for firefighters

| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. |
|---|---|---|
| Specific extinguishing meth- ods | : | Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

| on resonal productions, procedure equipment and emergency procedures | | | | | |
|--|---|--|--|--|--|
| Personal precautions | : | Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8). | | | |
| 6.2 Environmental precautions | | | | | |
| Environmental precautions | : | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained. | | | |

6.3 Methods and material for containment and cleaning up

| Methods for cleaning up | : | Soak up with inert absorbent material. |
|-------------------------|---|--|
| | | For large spills, provide dyking or other appropriate contain- |



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| | | be pumped, stor Clean up remain bent. Local or nationa posal of this mai employed in the mine which regu Sections 13 and | aterial from spreading. If dyked material can re recovered material in appropriate container. hing materials from spill with suitable absor- I regulations may apply to releases and dis- terial, as well as those materials and items cleanup of releases. You will need to deter- lations are applicable. 15 of this SDS provide information regarding national requirements. |

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

| Technical measures | : | See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. |
|--|-----|--|
| Local/Total ventilation Advice on safe handling Hygiene measures | | Use only with adequate ventilation. Avoid inhalation of vapour or mist. Do not swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep container tightly closed. Take care to prevent spills, waste and minimize release to the environment. If exposure to chemical is likely during typical use, provide eye |
| | | flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contami- nated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls. |
| 7.2 Conditions for safe storage, | inc | luding any incompatibilities |
| Requirements for storage areas and containers | : | Keep in properly labelled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations. |
| Advice on common storage | : | Do not store with the following product types: Strong oxidizing agents Gases |
| 7.3 Specific end use(s) | | |
| Specific use(s) | : | No data available |



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|--------------|-----------------|-------------------------------|--------------------|-------------------------|
| Paraffin oil | 8012-95-1 | TWA (Vapour) | 50 mg/m3 | FOR-2011- 12-06-1358 |
| | | TWA (Mist and particles) | 1 mg/m3 | FOR-2011- 12-06-1358 |
| Petrolatum | 8009-03-8 | TWA (Vapour) | 50 mg/m3 | FOR-2011- 12-06-1358 |
| | | TWA (Mist and particles) | 1 mg/m3 | FOR-2011- 12-06-1358 |
| Cefquinome | 118443-89- 3 | TWA | 2000 µg/m3 (OEB 1) | Internal |
| | Further inform | Further information: RSEN | | |

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

| Substance name | End Use | Exposure routes | Potential health ef- fects | Value |
|----------------|---------|-----------------|-------------------------------|---------|
| Paraffin oil | Workers | Inhalation | Long-term systemic effects | 5 mg/m3 |
| | Workers | Inhalation | Acute systemic ef- fects | 5 mg/m3 |
| | Workers | Inhalation | Long-term local ef- fects | 5 mg/m3 |
| | Workers | Inhalation | Acute local effects | 5 mg/m3 |

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

| Substance name | Environmental Compartment | Value |
|----------------|----------------------------|-----------------|
| Petrolatum | Oral (Secondary Poisoning) | 9,33 mg/kg food |

8.2 Exposure controls

Engineering measures

Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip-less quick connections).

All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Laboratory operations do not require special containment.

Personal protective equipment

| Eye/face protection | Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols. |
|---------------------|--|
|---------------------|--|

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| | protection aterial | : Chemical-resi | stant gloves |
| Skin and body protection Respiratory protection | | : If adequate loc sure assessme ommended gu | or laboratory coat. cal exhaust ventilation is not available or expo- ent demonstrates exposures outside the rec- idelines, use respiratory protection. onform to NS EN 14387 |
| Fil | ter type | : Combined part | ticulates and organic vapour type (A-P) |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| Physical state | : | ointment |
|---|---|-----------------------|
| Colour | : | White to light yellow |
| Odour | : | No data available |
| Odour Threshold | : | No data available |
| Melting point/freezing point | : | No data available |
| Initial boiling point and boiling range | : | No data available |
| Flammability (solid, gas) | : | Not applicable |
| Flammability (liquids) | : | No data available |
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Flash point | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| рН | : | No data available |
| Viscosity Viscosity, kinematic | : | No data available |
| Solubility(ies) Water solubility | : | No data available |

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|-------------|---------------------|------------------------------|---|----------------------------|---|
| | Partitio octanol | n coefficient: n- /water | : | Not applicable | |
| | Vapour | pressure | : | No data available | e |
| | Relative | e density | : | No data available | e |
| | Density | , | : | No data available | e |
| | Relative | e vapour density | : | No data available | e |
| | | characteristics icle size | : | Not applicable | |
| 9.2 | Other in | formation | | | |
| | Explosi | ves | : | Not explosive | |
| | Oxidizir | ng properties | : | The substance o | r mixture is not classified as oxidizing. |
| | Evapor | ation rate | : | No data available | e |
| | Molecu | lar weight | : | No data available | e |

SECTION 10: Stability and reactivity

| 10.1 Reactivity | | | |
|--|---|--|--|
| Not classified as a reactivity hazar | d. | | |
| 10.2 Chemical stability | | | |
| Stable under normal conditions. | | | |
| 10.3 Possibility of hazardous reaction | ns | | |
| Hazardous reactions : | Can react with strong oxidizing agents. | | |
| 10.4 Conditions to avoid | | | |
| Conditions to avoid : | None known. | | |
| 10.5 Incompatible materials | | | |
| Materials to avoid : | Oxidizing agents | | |
| 10.6 Hazardous decomposition prod | ucts | | |
| No hazardous decomposition products are known. | | | |

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Information on likely routes of : Inhalation

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| expos | ure | | Skin contact Ingestion Eye contact | |
| | e toxicity assified based on ava | ailable | information. | |
| Comp | oonents: | | | |
| Paraf | fin oil: | | | |
| Acute | oral toxicity | : | LD50 (Rat): > 5. | 000 mg/kg |
| Acute | dermal toxicity | : | LD50 (Rabbit): a Assessment: Th toxicity | > 2.000 mg/kg e substance or mixture has no acute derma |
| Cefqu | linome: | | | |
| Acute | oral toxicity | : | LD50 (Mouse): : | > 5.000 mg/kg |
| Acute | inhalation toxicity | : | Remarks: No da | ta available |
| Acute | dermal toxicity | : | Remarks: No da | ta available |
| Not cl | corrosion/irritation assified based on ava ponents: | ailable | information. | |
| Paraf | fin oil: | | | |
| Speci Resul | es | : | Rabbit No skin irritation | |
| Cefau | linome: | | | |
| Resul | | : | Irritating to skin. | |
| | us eye damage/eye assified based on ava | | | |
| Comp | oonents: | | | |
| Paraf | fin oil: | | | |
| Speci Resul | | : | Rabbit No eye irritation | |
| | | | | |
| Cefqı Resul | linome: | | Irritating to eyes | |

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| | | | | |

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Cefquinome:

| Exposure routes | : | Inhalation |
|-----------------|---|--|
| Result | : | May cause sensitisation by inhalation. |

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

Components:

Cefquinome:

Assessment

: May cause respiratory irritation.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

Paraffin oil:

| Species | : | Rat, female |
|-------------------|---|-------------|
| LÕAEL | : | 161 mg/kg |
| Application Route | : | Ingestion |
| Exposure time | : | 90 Days |

Aspiration toxicity

May be fatal if swallowed and enters airways.

Components:

Paraffin oil:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.



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11.2 Information on other hazards

Endocrine disrupting properties

Not classified based on available information.

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Experience with human exposure

Components:

| Cefquinome: | |
|--------------|---|
| Inhalation | : Symptoms: anaphylaxis, bronchospasm, Cough, respiratory tract irritation, Rash, rhinitis, runny nose, sneezing Remarks: May produce an allergic reaction. |
| Skin contact | Remarks: May irritate skin. May produce an allergic reaction. |
| Eye contact | : Remarks: May irritate eyes. |

SECTION 12: Ecological information

12.1 Toxicity

| Components: | |
|---|--|
| Paraffin oil: | |
| Toxicity to fish | LL50 (Scophthalmus maximus (turbot)): > 100 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials |
| Toxicity to daphnia and other aquatic invertebrates | EL50 (Acartia tonsa (Calanoid copepod)): > 100 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials |
| Toxicity to algae/aquatic plants | EL50 (Skeletonema costatum (marine diatom)): > 100 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials |
| | NOELR (Skeletonema costatum (marine diatom)): > 1 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction Remarks: Based on data from similar materials |

Cefquinome:



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| | Toxicity | to fish | : | LC50 (Brachydani Exposure time: 96 Method: OECD Te | |
| | | to daphnia and other invertebrates | : | EC50 (Daphnia m Exposure time: 48 Method: OECD Te | |
| | Toxicity plants | to algae/aquatic | : | EC50 (Pseudokiro Exposure time: 72 Method: OECD Te | |
| | | | | NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te | |
| | | | | EC50 (Anabaena Exposure time: 72 Method: OECD Te | |
| | | | | NOEC (Anabaena Exposure time: 72 Method: OECD Te | |
| | M-Facto icity) | or (Acute aquatic tox- | : | 10 | |
| | Toxicity | to microorganisms | : | EC50 : > 1.000 m Exposure time: 3 I Test Type: Respir Method: OECD Te | n ation inhibition |
| | | | | NOEC : 295,3 mg Exposure time: 3 l Test Type: Respir Method: OECD Te | n ation inhibition |
| | M-Facto toxicity) | or (Chronic aquatic | : | 1 | |
| 12.2 | 12.2 Persistence and degradabil | | ity | | |
| | <u>Compo</u> | onents: | | | |
| | Cefquii Biodegr | nome: radability | : | Result: not rapidly Biodegradation: 4 Exposure time: 30 Method: OECD Te | 0 % |
| | Stability | in water | : | Hydrolysis: > 90 % Method: FDA 3.09 | |

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| 12.3 Bioa | ccumulative potential | | | |
| Com | ponents: | | | |
| Partit | f in oil: ion coefficient: n- ol/water | : | log Pow: > 4 Remarks: Calcula | ation |
| Partit | u inome: ion coefficient: n- ol/water | : | log Pow: -2,01 | |
| 12.4 Mobi | lity in soil | | | |
| Com | ponents: | | | |
| Distri | uinome: bution among environ- al compartments | : | log Koc: 2,76 | |
| 12.5 Resu | llts of PBT and vPvB a | sse | ssment | |
| Prod Asse | <u>uct:</u> ssment | : | to be either persis | nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of |
| 12.6 Endo | ocrine disrupting prop | ertie | es | |
| Prod | uct: | | | |
| Asse | ssment | : | ered to have end REACH Article 5 | ixture does not contain components consid- ocrine disrupting properties according to 7(f) or Commission Delegated regulation or Commission Regulation (EU) 2018/605 at higher. |
| 12.7 Othe | r adverse effects | | | |
| No da | ata available | | | |
| SECTION | 13: Disposal consi | der | ations | |
| 13 1 Wast | e treatment methods | | | |
| Produ | | | Dispose of in acc | ordance with local regulations. |

| Product | Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. |
|------------------------|--|
| Contaminated packaging | Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Do not dispose of waste into sewer. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

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If not otherwise specified: Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number or ID number ADN Not regulated as a dangerous good : ADR Not regulated as a dangerous good : RID Not regulated as a dangerous good : IMDG Not regulated as a dangerous good : ΙΑΤΑ Not regulated as a dangerous good 14.2 UN proper shipping name ADN Not regulated as a dangerous good : ADR Not regulated as a dangerous good : RID : Not regulated as a dangerous good IMDG Not regulated as a dangerous good : ΙΑΤΑ Not regulated as a dangerous good 14.3 Transport hazard class(es) ADN Not regulated as a dangerous good : ADR Not regulated as a dangerous good • RID Not regulated as a dangerous good : IMDG Not regulated as a dangerous good ΙΑΤΑ Not regulated as a dangerous good 14.4 Packing group ADN Not regulated as a dangerous good : ADR Not regulated as a dangerous good : RID : Not regulated as a dangerous good IMDG Not regulated as a dangerous good : IATA (Cargo) Not regulated as a dangerous good : IATA (Passenger) Not regulated as a dangerous good : 14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Remarks

: Not applicable for product as supplied.



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SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on Conditions of restriction for the fol-: the market and use of certain dangerous substances, lowing entries should be considered: mixtures and articles (Annex XVII) Number on list 3 Number on list 75: If you intend to use this product as tattoo ink, please contact your vendor. Substance(s) or mixture(s) are listed here according to their appearance in the regulation, irrespective of their use/purpose or the conditions of the restriction. Please refer to the conditions in corresponding Regulation to determine whether an entry is applicable to the placing on the market or not. REACH - Candidate List of Substances of Very High Not applicable : Concern for Authorisation (Article 59). REACH - List of substances subject to authorisation : Not applicable (Annex XIV) Regulation (EU) No 2024/590 on substances that de-Not applicable : plete the ozone layer Regulation (EU) 2019/1021 on persistent organic pollu-Not applicable : tants (recast) Regulation (EU) No 649/2012 of the European Parlia-Not applicable : ment and the Council concerning the export and import of dangerous chemicals Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

The components of this product are reported in the following inventories:

| AICS | : | not determined |
|-------|---|----------------|
| DSL | : | not determined |
| IECSC | : | not determined |

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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| Othe | r information | : | | iges have been made to the previous version the body of this document by two vertical |
| Full | text of H-Statements | | | |
| H304 H319 H319 H334 H334 H339 H400 H410 H411 | 5 9 4 5) | | Causes skin irrita Causes serious e May cause allergy ties if inhaled. May cause respire Very toxic to aqua Very toxic to aqua | ye irritation. y or asthma symptoms or breathing difficul- atory irritation. |
| Full | text of other abbreviat | ions | , 0 | с . |
| Aqua Asp. Eye Resp Skin STO FOR | o. Sens. Irrit. T SE -2011-12-06-1358 -2011-12-06-1358 / | | Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Respiratory sensitisation Skin irritation Specific target organ toxicity - single exposure Norway. Occupational Exposure limits Long term exposure limit | |
| Wate Road ing c | erways; ADR - Agreem d; AIIC - Australian Inve f Materials; bw - Body v | ent o ntory weigł | concerning the Inte of Industrial Chen nt; CLP - Classifica | tional Carriage of Dangerous Goods by Inland ernational Carriage of Dangerous Goods by nicals; ASTM - American Society for the Test- tion Labelling Packaging Regulation; Regula- |

tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Re-



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|---------|----------------|----------------|---------------------------------|
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striction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

| Sources of key data used to compile the Safety Data Sheet | : | Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/ |
|---|---|--|
| | | |

| Classification of the mixtu | Classification procedure: | |
|-----------------------------|---------------------------|--------------------|
| Asp. Tox. 1 | H304 | Calculation method |
| Aquatic Chronic 3 | H412 | Calculation method |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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