

SAFETY DATA SHEET

Trinol Myggspray

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

1.1. Product identifier

Trade name

Trinol Myggspray

Product no.

110073 NO

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

Relevant identified uses of the substance or mixture

Biocide

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Vilofarm Norway

Hensemoveien 30

3516 Hønefoss

Norway

+4740000299

Vilofarm.no

Contact person

Trinol

E-mail

Kemi@trinol.dk

Revision

10/01/2025

SDS Version

1.0

1.4. Emergency telephone number

In urgent situations: Call 113 and request the poison information centre. (24h service)

Poison Center at Tel.: + 47 22 59 13 00

See section 4 on 'First Aid Measures'

SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP).

2.1. Classification of the substance or mixture

Flam. Liq. 3; H226, Flammable liquid and vapour.

Eye Irrit. 2; H319, Causes serious eye irritation.

2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

Flammable liquid and vapour. (H226)

Causes serious eye irritation. (H319)

Precautionary statement(s)

General

If medical advice is needed, have product container or label at hand. (P101)

Keep out of reach of children. (P102)

Prevention

Wash hands thoroughly after handling. (P264)

Wear eye protection/protective gloves. (P280)

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (P305+P351+P338)

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

Storage

Store in a well-ventilated place. Keep cool. (P403+P235)

Disposal

Dispose of contents/container in accordance with local regulation (P501)

Hazardous substances

Saltidin (Icaridin)

Additional labelling

The product contains a biocidal product.

Active substance(s):

Saltidin (Icaridin) (11.5 g/100g)

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

| Product/substance | Identifiers | % w/w | Classification | Note |
|------------------------------------|---|---------------|---|------|
| Ethanol | CAS No.: 64-17-5 EC No.: 200-578-6 REACH: 01-2119457610-43-xxxx Index No.: | > 40 ≤ 42,5 % | Flam. Liq. 2, H225 Eye Irrit. 2, H319 (SCL: 50.00 %) | |
| Saltidin (Icaridin) | CAS No.: 119515-38-7 EC No.: 423-210-8 REACH: Index No.: | > 10 ≤ 11,5 % | Eye Irrit. 2, H319 | |
| Denatoniumbenzoat (vannfri Bitrex) | CAS No.: EC No.: 223-095-2 REACH: Index No.: | > 0 ≤ 0,05 % | Acute Tox. 4, H302 Eye Dam. 1, H318 Acute Tox. 4, H332 Aquatic Chronic 3, H412 | |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact

IF IN EYES: Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing for 5 minutes. Call a POISON CENTRE or a doctor.

Ingestion

IF SWALLOWED: Rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call a POISON CENTRE or a doctor.

Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.
Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Flammable liquid and vapour.

In use may form flammable/explosive vapour-air mixture.

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ground and bond container and receiving equipment.

Use explosion-proof [electrical/lighting/ventilating] equipment.

Use non-sparking tools.

Take action to prevent static discharges.

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Take action to prevent static discharges.

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material

Keep only in original packaging.

Storage conditions

Dry, cool and well ventilated

Protect from sunlight.

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethanol

Long term exposure limit (8 hours) (mg/m³): 950

Long term exposure limit (8 hours) (ppm): 500

Regulations concerning action and limit values for physical and chemical agents in the working environment and classified biological agents (Regulations concerning Action and Limit values) FOR-2011-12-06-1358. Last update: FOR-2024-04-05-581.

DNEL

Ethanol

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|------------------------|
| Short term – Systemic effects - General population | Dermal | 206 mg/kg bw/day |
| Short term – Systemic effects - Workers | Dermal | 343 mg/kg bw/day |
| Long term – Systemic effects - Workers | Inhalation | 600 mg/m ³ |
| Long term – Systemic effects - Workers | Inhalation | 380 mg/m ³ |
| Short term – Local effects - General population | Inhalation | 950 mg/m ³ |
| Short term – Local effects - Workers | Inhalation | 1900 mg/m ³ |
| Short term – Systemic effects - General population | Inhalation | 114 mg/m ³ |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

| | | |
|--|------------|-----------------------|
| Short term – Systemic effects - Workers | Inhalation | 950 mg/m ³ |
| Long term – Systemic effects - General population | Oral | 87 mg/kg bw/day |
| Short term – Systemic effects - General population | Oral | 87 mg/kg bw/day |

PNEC

Ethanol

| Route of exposure: | Duration of Exposure: | PNEC: |
|------------------------|-----------------------|------------|
| | | 0,72 mg/kg |
| Freshwater | | 0,96 mg/l |
| Freshwater sediment | | 3,6 mg/kg |
| Marine water | | 0,79 mg/l |
| Marine water sediment | | 2,9 mg/kg |
| Sewage treatment plant | | 580 mg/l |
| Soil | | 0,63 mg/kg |
| Water | | 2,75 mg/l |

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.


Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

| Work situation | Type | Class | Colour | Standards |
|-----------------------------------|------|------------------------|--------|-----------|
| In case of inadequate ventilation | A | Class 1 (low capacity) | Brown | EN14387 |




Skin protection

| Recommended | Type/Category | Standards |
|---------------------------|---------------|-----------|
| No specific requirements. | - | - |

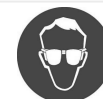
Hand protection

| Work situation | Material | Glove thickness (mm) | Breakthrough time (min.) | Standards |
|---|----------|----------------------|--------------------------|-----------|
| When there is risk of splash- / intermittent exposure | Gloves | - | - | EN374 |



Eye protection

| Work situation | Type | Standards |
|---|-----------------------------------|----------------|
| When there is risk of splash- / intermittent exposure | Safety glasses with side shields. | EN ISO 16321-1 |



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Colourless

Odour / Odour threshold

Characteristic

pH

-

pH in solution

5,83 (%)

Density (g/cm³)

-

Relative density

0,95 kg/l

Kinematic viscosity

No relevant or available data due to the nature of the product.

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

No relevant or available data due to the nature of the product.

Softening point/range (°C)

Does not apply to liquids.

Boiling point (°C)

80,7 °C

Vapour pressure

No relevant or available data due to the nature of the product.

Relative vapour density

No relevant or available data due to the nature of the product.

Decomposition temperature (°C)

No relevant or available data due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C)

23,5 °C

Flammability (°C)

The material is ignitable.

Auto-ignition temperature (°C)

No relevant or available data due to the nature of the product.

Lower and upper explosion limit (% v/v)

No relevant or available data due to the nature of the product.

Solubility

Solubility in water

Soluble

n-octanol/water coefficient (LogKow)

No relevant or available data due to the nature of the product.

Solubility in fat (g/L)

No relevant or available data due to the nature of the product.

9.2. Other information

Other physical and chemical parameters

No data available.

Oxidizing properties

Data ikke registrert

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid static electricity.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

| | |
|--------------------|------------------|
| Product/substance | Trinol Myggspray |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | >10000 mg/kg |

| | |
|--------------------|------------------|
| Product/substance | Trinol Myggspray |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | >20000 mg/kg |

| | |
|--------------------|------------------|
| Product/substance | Trinol Myggspray |
| Route of exposure: | Inhalation |
| Test: | LC50 |
| Result: | 2,5 mg/L |

| | |
|--------------------|---------------------------|
| Product/substance | Ethanol |
| Test method: | OECD 403 |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 |
| Result: | > 99999 mg/m ³ |

| | |
|--------------------|----------------|
| Product/substance | Ethanol |
| Test method: | OECD 401 |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 10470 mg/kg bw |

| | |
|--------------------|---------|
| Product/substance | Ethanol |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | NOAEL |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

| | |
|---|---|
| Result: | 2400 mg/kg bw /d |
| Product/substance | Ethanol |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | NOAEL |
| Result: | 23000 mg/m ³ |
| Product/substance | Ethanol |
| Species: | Rabbit |
| Route of exposure: | Dermal |
| Test: | NOAEL |
| Result: | 15800 mg/kg bw |
| Product/substance | Saltidin (Icaridin) |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 2236 mg/kg |
| Product/substance | Saltidin (Icaridin) |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | > 5000 mg/kg |
| Product/substance | Saltidin (Icaridin) |
| Route of exposure: | Inhalation |
| Test: | LC50 |
| Result: | > 4364 mg/kg |
| Product/substance | Denatoniumbenzoat (vannfri Bitrex) |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 584 mg/kg |
| Product/substance | Denatoniumbenzoat (vannfri Bitrex) |
| Species: | Rat |
| Route of exposure: | Dermal |
| Test: | LD100 |
| Result: | > 2000 mg/kg |
| Product/substance | Denatoniumbenzoat (vannfri Bitrex) |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 |
| Result: | 0.2 mg/l |
| Skin corrosion/irritation | |
| Product/substance | Ethanol |
| Duration: | - |
| Result: | No adverse effect observed (Not irritating) |
| Serious eye damage/irritation | |
| Product/substance | Ethanol |
| Test method: | OECD 405 |
| Duration: | - |
| Result: | No adverse effect observed (Not irritating) |
| Causes serious eye irritation. | |
| Respiratory sensitisation | |
| Based on available data, the classification criteria are not met. | |
| Skin sensitisation | |
| Based on available data, the classification criteria are not met. | |

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance: Ethanol
Test method: OECD 476
Conclusion: No adverse effect observed

Product/substance: Ethanol

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.
Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

None known.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance: Trinol Myggspray
Species: Fish
Duration: 96 hours
Test: LC50
Result: >209 mg/L

Product/substance: Trinol Myggspray
Species: Crustacean, Daphnia magna
Duration: 48 hours
Test: EC50
Result: >484 mg/L

Product/substance: Saltidin (Icaridin)
Species: Fish
Duration: 96 hours
Test: LC50
Result: 169,4 mg/l

Product/substance: Saltidin (Icaridin)
Species: Fish
Duration: -
Test: NOEC
Result: 3,14 mg/l

Product/substance: Saltidin (Icaridin)
Species: Algae
Duration: 72 hours
Test: EC50

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Result: 87,3 mg/l

Product/substance: Saltidin (Icaridin)
Species: Algae
Duration: -
Test: NOEC
Result: 54,8 mg/l

Product/substance: Saltidin (Icaridin)
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: > 103 mg/l

Product/substance: Saltidin (Icaridin)
Species: Crustacean
Duration: -
Test: NOEC
Result: 49,25 mg/l

Product/substance: Denatoniumbenzoat (vannfri Bitrex)
Species: Fish
Duration: 96 hours
Result: > 1000 mg/l

Product/substance: Denatoniumbenzoat (vannfri Bitrex)
Species: Crustacean, Daphnia magna
Duration: 48 hours
Test: EC50
Result: 484 mg/l

12.2. Persistence and degradability

Based on available data, the classification criteria are not met.

12.3. Bioaccumulative potential

Based on available data, the classification criteria are not met.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 3 - Flammable

HP 4 - Irritant (skin irritation and eye damage)

Dispose of contents/container to an approved waste disposal plant.

Disposal to the sewer is discouraged.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|------|-----------------|---|---|-------------|---------------|--|
| ADR | UN1170 | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) | Transport hazard class: 3 Label: 3 Classification code: F1  | II | No | Limited quantities: 1 L Tunnel restriction code: (D/E) See below for additional information . |
| IMDG | UN1170 | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) | Transport hazard class: 3 Label: 3 Classification code: F1  | II | No | Limited quantities: 1 L EmS: F-E S-D See below for additional information . |
| IATA | UN1170 | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) | Transport hazard class: 3 Label: 3 Classification code: F1  | II | No | See below for additional information . |

Additional information

This product is within scope of the regulations of transport of dangerous goods.

Although this product is environmentally hazardous, the environmentally hazardous substance mark has been omitted as the product is supplied in packaging with a maximum quantity of 5 L / 5 kg.

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ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper-tier): 50.000 tonnes

Biocidal Products Regulations

Product type: PT18 - Insecticides, acaricides and products to control other arthropod

Restrictions on use

-

Directions for use and dose rate

-

Additional information

-

REACH, Annex XVII

Ethanol is subject to REACH restrictions (entry 40).

Product registration number

323115

Declaration of chemicals

The product is subject to registration in the Product Register because it is a biocidal product.

Additional information

Not applicable.

Sources

Act no. 62 of 17th June 2005 relating to working environment, working hours and employment protection, etc. (Working Environment Act).

Regulation of 1 July 2016 no. 569 on measures to prevent and limit the consequences of major accidents in companies where hazardous chemicals occur (the Major Accidents Regulations).

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

Regulation of 15 May 2015 no. 541 on declaring chemicals to the product register (Declaration Regulations)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.

H302, Harmful if swallowed.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.

H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

The classification of the mixture in regard to physical hazards has been based on experimental data.

The safety data sheet is validated by

Suda

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: NO-en