

Safety Data Sheet

according to UK REACH Regulation

ADDINOL Ecosynth HVLPD 10 S

Revision date: 26.05.2025

Product code: 767012

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

ADDINOL Ecosynth HVLPD 10 S

UFI: WE7H-S6QQ-720P-8WGJ

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

Hydraulic fluid.

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Company name: ADDINOL Lube Oil GmbH
 Gebäude 4609
 Street: Am Haupttor
 Place: D-06237 Leuna
 Telephone: +49 (0) 3461 845-0 Telefax: +49 (0) 3461 845-555
 E-mail: info@addinol.de
 Contact person: Application Technology
 Internet: www.addinol.de
 Responsible Department: ADDINOL Application Technology

Supplier

Company name: Gidov Oil & Logistics Ltd.
 Street: 76 Cobham Road, Ferndown Industrial Estate
 Place: GB-TN157DA Wrotham, Sevenoaks Kent
 Telephone: +44 7729229830 Telefax: +44 7729229830
 E-mail: sales@addinol.co.uk
 Internet: https://www.gidovlogistics.co.uk/

1.4. Emergency telephone number:

+44 7729229830 - This number is serviced during office hours.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Acute Tox. 4; H332
 Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

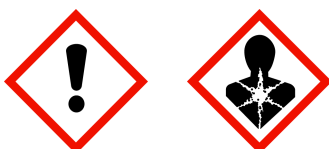
The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

1-Decene, Dimer, hydrogenated

Signal word: Danger

Pictograms:

**Hazard statements**

H304 May be fatal if swallowed and enters airways.

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H332 Harmful if inhaled.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P331 Do NOT induce vomiting.
 P405 Store locked up.
 P501 Dispose of contents/container to an appropriate recycling or disposal facility.

Additional advice on labelling

The product is classified and labelled according to EC directives or corresponding national laws.

2.3. Other hazards

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
 Process vapors can irritate airways, skin and eyes.
 Do not allow uncontrolled leakage of product into the environment.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Mixture based on synthetic oils and special additives.

Relevant ingredients

| CAS No | Chemical name | | | Quantity |
|------------|---|----------|------------------|---------------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 68649-11-6 | 1-Decene, Dimer, hydrogenated | | | 80 - < 100 % |
| | 500-228-5 | | 01-2119493069-28 | |
| | Acute Tox. 4, Asp. Tox. 1; H332 H304 | | | |
| | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | | | 0.1 - < 0.3 % |
| | 931-384-6 | | 01-2119493620-38 | |
| | Acute Tox. 4, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H302 H319 H317 H411 | | | |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | | | < 0.1 % |
| | 202-414-9 | | 01-2119777867-13 | |
| | Acute Tox. 4, Skin Corr. 1B, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H373 H400 H410 | | | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|------------|---|---|---------------|
| | Specific Conc. Limits, M-factors and ATE | | |
| 68649-11-6 | 500-228-5 | 1-Decene, Dimer, hydrogenated | 80 - < 100 % |
| | inhalation: LC50 = 900-5200 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg | | |
| | 931-384-6 | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | 0.1 - < 0.3 % |
| | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg Eye Irrit. 2; H319: >= 50 - 100 Skin Sens. 1; H317: >= 9,39 - 100 | | |
| 95-38-5 | 202-414-9 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | < 0.1 % |
| | oral: LD50 = ca. 1085 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1 | | |

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Further Information

DMSO-Extract < 3 %; IP 346. Classification system: The classification corresponds to the current EC lists and is completed by information from specialist literature and company information.

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

Self-protection of the first aider. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. In case of skin irritation, seek medical treatment.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Call a physician immediately.

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

No known symptoms to date.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Foam. Extinguishing powder. Carbon dioxide (CO₂). Atomized water.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO₂). Nitrogen oxides (NO_x). carbon black.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray jet to protect personnel and to cool endangered containers. In case of fire and/or explosion do not breathe fumes. Contaminated fire-fighting water must be collected separately.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

High slip hazard because of leaking or spilled product. The following must be prevented: skin contact. Eye contact. inhalation. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

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Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Section 12: Ecological Information (non-mandatory)

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Work in well-ventilated zones or use proper respiratory protection. Avoid oil mist. If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Provide adequate ventilation. When hot, product develops flammable vapours.

Advice on general occupational hygiene

Wash hands before breaks and after work. Take off immediately all contaminated clothing. Wash contaminated clothing prior to re-use. Do not eat, drink, smoke or sneeze at the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Keep/Store only in original container.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Keep away from: Oxidizing agent

Further information on storage conditions

Protect against: UV-radiation/sunlight.frost.

Recommended storage temperature: 5 - 40°C

7.3. Specific end use(s)

Hydraulic fluid. Further information: see technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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DNEL/DMEL values

| CAS No | Substance | | | |
|--------------------------|---|----------------|----------|-------------------|
| DNEL type | | Exposure route | Effect | Value |
| 68649-11-6 | 1-Decene, Dimer, hydrogenated | | | |
| Worker DNEL, acute | | inhalation | systemic | 60 mg/m³ |
| Consumer DNEL, acute | | inhalation | systemic | 50 mg/m³ |
| | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | | | |
| Worker DNEL, long-term | | inhalation | systemic | 4,28 mg/m³ |
| Worker DNEL, long-term | | dermal | systemic | 12,5 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 1,09 mg/m³ |
| Consumer DNEL, long-term | | dermal | systemic | 6,25 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 0,25 mg/kg bw/day |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | | | |
| Worker DNEL, long-term | | inhalation | systemic | 0,46 mg/m³ |
| Worker DNEL, acute | | inhalation | systemic | 14 mg/m³ |
| Worker DNEL, long-term | | dermal | systemic | 0,06 mg/kg bw/day |
| Worker DNEL, acute | | dermal | systemic | 2 mg/kg bw/day |

PNEC values

| CAS No | Substance | |
|--|---|--|
| Environmental compartment | Value | |
| | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | |
| Freshwater | 0,0024 mg/l | |
| Freshwater (intermittent releases) | 0,15 mg/l | |
| Marine water | 0,00024 mg/l | |
| Freshwater sediment | 0,0129 mg/kg | |
| Marine sediment | 0,00129 mg/kg | |
| Secondary poisoning | 10 mg/kg | |
| Micro-organisms in sewage treatment plants (STP) | 24,33 mg/l | |
| Soil | 0,00117 mg/kg | |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | |
| Freshwater | 0 mg/l | |
| Freshwater (intermittent releases) | 0 mg/l | |
| Marine water | 0 mg/l | |
| Freshwater sediment | 0,376 mg/kg | |
| Marine sediment | 0,038 mg/kg | |
| Micro-organisms in sewage treatment plants (STP) | 0,27 mg/l | |
| Soil | 0,075 mg/kg | |

Additional advice on limit values

Recommended limit value for oil mist
TWA: 5 mg/m³

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STEL: 10 mg/m³

The product does not contain any relevant quantities of substances with legally established exposure limitation.

8.2. Exposure controls**Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Tightly sealed safety glasses. German Industry Norms (DIN) / European Norms (EN): DIN EN ISO 16321

Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): EN ISO 374

Duration of wearing with permanent contact: 480 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.7 mm.

Wearing time with occasional contact (splashes): 30 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.4 mm

Protect skin by using skin protective cream.

Skin protection

Wear suitable protective clothing. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Breathing protection with filter against organic gases and vapours type A - boiling point > 65°C: A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|------------------|----------------|
| Physical state: | liquid |
| Colour: | yellow |
| Odour: | characteristic |
| Odour threshold: | not determined |

| | Test method |
|---|------------------------|
| Melting point/freezing point: | No data available |
| Boiling point or initial boiling point and boiling range: | not determined |
| Flammability: | No data available |
| Lower explosion limits: | No data available |
| Upper explosion limits: | No data available |
| Flash point: | 160 °C DIN EN ISO 2592 |
| Auto-ignition temperature: | No data available |
| Decomposition temperature: | No data available |
| pH-Value: | not applicable |

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| | |
|--|-----------------------------------|
| Viscosity / kinematic: (at 40 °C) | 9,5 mm ² /s DIN 51562 |
| Water solubility: | virtually insoluble |
| Solubility in other solvents | |
| No data available | |
| Partition coefficient n-octanol/water: | No data available |
| Vapour pressure: | No data available |
| Density (at 15 °C): | 0,818 g/cm ³ DIN 51757 |
| Relative vapour density: | No data available |
| Particle characteristics: | No data available |

9.2. Other information**Information with regard to physical hazard classes**

Explosive properties

No data available

Self-ignition temperature

Solid:

No data available

Gas:

No data available

Oxidizing properties

No data available

Other safety characteristics

Evaporation rate:

No data available

Pour point:

-66 °C ISO 3016

SECTION 10: Stability and reactivity**10.1. Reactivity**

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Refer to chapter 7 No further action is necessary.

Do not overheat to avoid decomposition by heat.

10.5. Incompatible materials

Reacts with: Oxidising agent, strong Acid.

10.6. Hazardous decomposition productsIn case of fire may be liberated: Carbon monoxide Carbon dioxide (CO₂). Nitrogen oxides (NO_x). carbon black.**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Harmful if inhaled.

No data available

Preparation not tested.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 13,14 mg/l; ATE (inhalation dust/mist) 1,792 mg/l

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| CAS No | Chemical name | | | | |
|------------|---|---------------------|---------|---------------------|--------------------|
| | Exposure route | Dose | Species | Source | Method |
| 68649-11-6 | 1-Decene, Dimer, hydrogenated | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | Study report (1994) | OECD Guideline 401 |
| | dermal | LD50 > 2000 mg/kg | Rat | Study report (1995) | OECD Guideline 402 |
| | inhalation (4 h) vapour | LC50 900-5200 mg/l | Rat | Study report (1989) | OECD Guideline 402 |
| | inhalation dust/mist | ATE 1,5 mg/l | | | |
| | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | | | | |
| | oral | LD50 > 2000 mg/kg | Rat | Study report (1995) | OECD Guideline 401 |
| | dermal | LD50 > 2000 mg/kg | Rabbit | | |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | | | | |
| | oral | LD50 ca. 1085 mg/kg | Rat | Study report (1989) | OECD Guideline 401 |

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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.

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2. Information on other hazards**Endocrine disrupting properties**

not applicable

SECTION 12: Ecological information**12.1. Toxicity**

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

Preparation not tested.

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| CAS No | Chemical name | | | | | |
|------------|---|------------------------|-----------|----------------------------|----------------------------|--------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 68649-11-6 | 1-Decene, Dimer, hydrogenated | | | | | |
| | Acute fish toxicity | LL50 > 1000 mg/l | 96 h | Oncorhynchus mykiss | Study report (1995) | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 > 1000 mg/l | 96 h | Raphidocelis subcapitata | Study report (1995) | OECD Guideline 201 |
| | Acute crustacea toxicity | EL50 > 1000 mg/l | 48 h | Daphnia magna | Study report (1995) | OECD Guideline 202 |
| | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | | | | | |
| | Acute fish toxicity | LL50 ca. 24 mg/l | 96 h | Oncorhynchus mykiss | REACH Registration Dossier | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 6,4 mg/l | 96 h | Raphidocelis subcapitata | REACH Registration Dossier | OECD Guideline 201 |
| | Acute crustacea toxicity | EL50 ca. 91,4 mg/l | 48 h | Daphnia magna | REACH Registration Dossier | OECD Guideline 202 |
| | Acute bacteria toxicity | EC50 ca. 2433 mg/l () | 3 h | activated sludge, domestic | REACH Registration Dossier | OECD Guideline 209 |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | | | | | |
| | Acute algae toxicity | ErC50 0,03 mg/l | 72 h | Desmodesmus subspicatus | Study report (2010) | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 0,163 mg/l | 48 h | Daphnia magna | Study report (2010) | OECD Guideline 202 |

12.2. Persistence and degradability

Product is biodegradable. CEC-Test L-33-T-82: > 80%

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|------------|---|---------|
| 68649-11-6 | 1-Decene, Dimer, hydrogenated | > 6,5 |
| | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | < 0,3 |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | 8,4 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|---------|---|-------|---------------------|----------------------|
| | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | 436 | Oncorhynchus mykiss | REACH Registration D |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | 371,8 | | EPIWIN calculation (|

12.4. Mobility in soil

Due to its low solubility in water the product is almost completely mechanically separated in biological waste water treatment plants.

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12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available

Further information

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Must not be disposed of with domestic refuse. Do not allow to enter into surface water or drains.

Contaminated packaging

Waste requires monitoring. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be thrown away. Dispose of waste according to applicable legislation.

SECTION 14: Transport information**Land transport (ADR/RID)**

- 14.1. UN number or ID number:** -
14.2. UN proper shipping name: -
14.3. Transport hazard class(es): -
14.4. Packing group: -

Inland waterways transport (ADN)

- 14.1. UN number or ID number:** -
14.2. UN proper shipping name: -
14.3. Transport hazard class(es): -
14.4. Packing group: -

Marine transport (IMDG)

- 14.1. UN number or ID number:** -
14.2. UN proper shipping name: -
14.3. Transport hazard class(es): -
14.4. Packing group: -

Air transport (ICAO-TI/IATA-DGR)

- 14.1. UN number or ID number:** -
14.2. UN proper shipping name: -
14.3. Transport hazard class(es): -
14.4. Packing group: -

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

Restrictions on use (REACH, annex XVII):

Entry 3

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2,3,6,7,8,9,10,11,12,14,16.

Abbreviations and acronyms

Acute Tox: Acute toxicity

Asp. Tox: Aspiration hazard

Skin Corr: Skin corrosion

Eye Irrit: Eye irritation

Skin Sens: Skin sensitisation

STOT RE: Specific target organ toxicity - repeated exposure

Aquatic Acute: Acute aquatic hazard

Aquatic Chronic: Chronic aquatic hazard

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road ; ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ; ASTM - American Society for the Testing of Materials ; ATE - Acute Toxicity Estimates ; bw - Body weight ; CAO - Cargo Aircraft Only ; CAS - Chemical Abstracts Service ; CMR - Carcinogen, Mutagen or Reproductive Toxicant ; DIN - Standard of the German Institute for Standardisation ; DNEL - Derived No-Effect Level ; DOT - Department of Transportation ; DSL - Domestic Substances List (Canada) ; EG - European Union ; EN - European standards ; GHS - Globally Harmonized System ; GLP - Good Laboratory Practice ; HMIS - Hazardous Materials Identification System ; IARC - International Agency for Research on Cancer ; IATA - International Air Transport Association ; IC50 - Half maximal inhibitory concentration ; ICAO - International Civil Aviation Organization ; IMDG - International Maritime Dangerous Goods ; IMO - International Maritime Organization ; ISO - International Organisation for Standardization ; 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 ; MSHA - Mine Safety and Health Administration ; n.o.s. - Not Otherwise Specified ; NFPA - National Fire Protection Association ; NO(A)EC - No Observed (Adverse) Effect Concentration ; NO(A)EL - No Observed (Adverse) Effect Level ; NOELR - No Observable Effect Loading Rate ; NTP - National Toxicology Program ; OECD - Organization for Economic Co-operation and Development ; PBT - Persistent, Bioaccumulative and Toxic substance ; (Q)SAR - (Quantitative) Structure Activity Relationship ; RCRA - Resource Conservation and Recovery Act ; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals ; RID - Regulation concerning the International Carriage of Dangerous Goods by Rail ; RQ - Reportable Quantity ; SADT - Self-Accelerating Decomposition Temperature ; SARA - Superfund Amendments and Reauthorization Act ; SDS - Safety Data Sheet ; TSCA - Toxic Substances Control Act (United States) ; UN - United Nations ; vPvB - Very Persistent and Very Bioaccumulative

Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification | Classification procedure |
|--------------------|--------------------------|
| Acute Tox. 4; H332 | Calculation method |
| Asp. Tox. 1; H304 | Calculation method |

Relevant H and EUH statements (number and full text)

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| | |
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| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

Further Information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)