

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

1.1 Product identifier

Engine Oil 5W - 40
Article number: 15 93 2936, 15 93 2937, 15 93 2938, 15 93 2939, 15 93 2940

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

1.2.1 Relevant uses

Engine oil

1.2.2 Uses advised against

For all uses not specified in SECTION 1.2.1

1.3 Details of the supplier of the safety data sheet

Company SWAG Autoteile GmbH
Am Kiesberg 4-6
42117 Wuppertal / GERMANY
Phone +49 (0)202 26454-0
Fax +49 (0)202 26454-5000
Homepage www.swag.de
E-mail info@swag.de

Address enquiries to

Technical information info@swag.de

Safety Data Sheet info@swag.de

1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (English)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictograms none

Signal word none

Hazard statements H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P102 Keep out of reach of children.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/national regulation.

2.3 Other hazards

Human health dangers Frequent persistent contact with the skin can cause skin irritation.
If swallowed or in the event of vomiting, risk of product entering the lungs.

Environmental hazards Does not contain any PBT or vPvB substances.
Contains no ingredients with endocrine-disrupting properties.

Other hazards Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

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3.2 Mixtures

The product is a mixture.

| Range [%] | Substance |
|-----------|--|
| 30 - < 60 | Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract) CAS: 64742-54-7, EINECS/ELINCS: 265-157-1, EU-INDEX: 649-467-00-8, Reg-No.: 01-2119484627-25-XXXX GHS/CLP: Asp. Tox. 1: H304 |
| <2,5 | Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt) CAS: 64742-65-0, EINECS/ELINCS: 265-169-7, Reg-No.: 01-2119471299-27-XXXX GHS/CLP: Asp. Tox. 1: H304 |
| <2,5 | Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** EINECS/ELINCS: 701-251-5, Reg-No.: 01-2119524004-56-XXXX GHS/CLP: Aquatic Chronic 4: H413 |
| <0,1 | phenol, (tetrapropenyl) derivatives CAS: 74499-35-7, EINECS/ELINCS: 616-100-8 GHS/CLP: Repr. 1B: H360F - Skin Corr. 1C: H314 - Eye Dam. 1: H318 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410, M-Factor (acute): 10, M-Factor (chronic): 10 |

Comment on component parts

For full text of H-statements: see SECTION 16.
All chemical substances in this material are included on or exempted from listing on the IECSC Inventory.

SECTION 4: First aid measures

4.1 Description of first aid measures

| | |
|----------------------------|---|
| General information | Take off contaminated clothing and wash before reuse. |
| Inhalation | Ensure supply of fresh air. In the event of symptoms seek medical treatment. |
| Skin contact | In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists. |
| 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. |
| Ingestion | Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink. |

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to your doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

| | |
|--|---|
| Suitable extinguishing media | Fire extinguishing method of surrounding areas must be considered. Foam, dry powder, water spray jet, carbon dioxide |
| Extinguishing media that must not be used | Full water jet |

5.2 Special hazards arising from the substance or mixture

Not combusted hydrocarbons.
Risk of formation of toxic pyrolysis products.
Phosphorus oxides (POx).
Sulphur oxides (SOx).
Nitrogen oxides (NOx).

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.

Forms slippery surfaces with water.

Use personal protective equipment (protective gloves, safety glasses, protective clothing).

Ensure adequate ventilation.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).

Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid formation of aerosols.

Do not smoke.

Fire class (DIN EN 2): B

Do not eat, drink or smoke when using this product.

Use barrier skin cream.

Wash hands before breaks and after work.

Cloths contaminated with product should not be kept in trouser pockets.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Prevent penetration into the ground.

Do not store together with oxidizing agents.

Keep container tightly closed.

Protect from heat/overheating.

7.3 Specific end use(s)

See product use, SECTION 1.2

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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (UK)

| |
|---|
| Substance |
| Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract) |
| CAS: 64742-54-7, EINECS/ELINCS: 265-157-1, EU-INDEX: 649-467-00-8, Reg-No.: 01-2119484627-25-XXXX |
| Long-term exposure: 5 mg/m ³ , oil mist |
| Short-term exposure (15-minute): 10 mg/m ³ |

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

not relevant

DNEL

| |
|--|
| Substance |
| Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7 |
| Industrial, inhalative, Long-term - systemic effects, 2.73 mg/m ³ |
| Industrial, inhalative, Long-term - local effects, 5.58 mg/m ³ |
| Industrial, dermal, Long-term - systemic effects, 970 µg/kg bw/day |
| general population, inhalative, Long-term - local effects, 1.19 mg/m ³ |
| general population, oral, Long-term - systemic effects, 740 µg/kg bw/day |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0 |
| Industrial, inhalative, Long-term - systemic effects, 2,73 mg/m ³ |
| Industrial, inhalative, Long-term - local effects, 5,58 mg/m ³ |
| Industrial, dermal, Long-term - systemic effects, 970 µg/kg bw/day |
| general population, oral, Long-term - local effects, 740 µg/kg bw/day |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** |
| Industrial, inhalative, Long-term - systemic effects, 3,5 mg/m ³ |
| Industrial, inhalative, Acute - systemic effects, 133,6 mg/m ³ |
| Industrial, dermal, Long-term - systemic effects, 8,33 mg/kg bw/day |
| Industrial, dermal, Acute - systemic effects, 80 mg/kg bw/day |
| general population, dermal, Long-term - systemic effects, 4,2 mg/kg bw/day |
| general population, dermal, Acute - systemic effects, 40 mg/kg bw/day |
| general population, oral, Long-term - systemic effects, 0,25 mg/kg bw/day |
| general population, oral, Acute - systemic effects, 50 mg/kg bw/day |
| general population, inhalative, Long-term - systemic effects, 0,87 mg/m ³ |
| general population, inhalative, Acute - systemic effects, 0,067 mg/m ³ |

PNEC

| |
|--|
| Substance |
| Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7 |
| oral (food), 9,33 mg/kg |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0 |
| oral (food), 9,33 mg/kg food |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** |
| freshwater, 0,5 mg/l |
| sediment (seawater), 0,05 mg/L |
| sewage treatment plants (STP), 100 mg/l |
| sediment (freshwater), 1650 mg/kg |

| |
|--------------------------------|
| sediment (seawater), 165 mg/kg |
| soil, 8850 mg/kg |
| oral (food), 13333 mg/kg |

8.2 Exposure controls

| | |
|--|--|
| Additional advice on system design | Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances. General exposure limit for oil mist should be noted. |
| Eye protection | If there is a risk of splashing: safety glasses |
| Hand protection | The details concerned are recommendations. Please contact the glove supplier for further information. >0,11 mm; Nitrile rubber, >480 min (EN 374-1/-2/-3). |
| Skin protection | light protective clothing |
| Other | Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin. |
| Respiratory protection | In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, combination filter A-P1. (DIN EN 14387) |
| Thermal hazards | none |
| Delimitation and monitoring of the environmental exposition | Comply with applicable environmental regulations limiting discharge to air, water and soil. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | liquid |
| Form | liquid |
| Color | brown |
| Odor | characteristic |
| Odour threshold | not relevant |
| pH-value | not applicable |
| pH-value [1%] | not applicable |
| Boiling point or initial boiling point and boiling range [°C] | No information available. |
| Flash point [°C] | >200 (ISO 2592) |
| Flammability | No information available. |
| Lower explosion limit | No information available. |
| Upper explosion limit | No information available. |
| Oxidising properties | no |
| Vapour pressure/gas pressure [kPa] | <0,01 (20°C) |
| Density [g/cm ³] | 0,85 (DIN 51757) (15 °C / 59,0 °F) |
| Relative density | not determined |
| Bulk density [kg/m ³] | not applicable |
| Solubility in water | immiscible |
| Solubility other solvents | No information available. |
| Partition coefficient n-octanol/water (log value) | No information available. |
| Kinematic viscosity | 88,6 mm ² /s (40°C) (DIN 51562/T1) |
| Relative vapour density | No information available. |
| Melting point [°C] | No information available. |
| Auto-ignition temperature [°C] | No information available. |
| Decomposition temperature [°C] | No information available. |
| Particle characteristics | No information available. |

9.2 Other information

Pour point: ca. -33 (ISO 3016)

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents.

10.4 Conditions to avoid

Strong heating.



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10.5 Incompatible materials

Oxidizing agent

10.6 Hazardous decomposition products

In the case of heating following (decomposition) products may occur:
Hydrogen sulfide (H₂S).

SECTION 11: Toxicological information

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

Acute oral toxicity

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

| |
|--|
| Product |
| ATE-mix, oral, >2000 mg/kg bw |
| Substance |
| Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7 |
| LD50, oral, Rat, 5000 mg/kg bw |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0 |
| LD50, oral, Rat, 5000 mg/kg bw |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** |
| LD50, oral, Rat, >5000 mg/kg bw |
| phenol, (tetrapropenyl) derivatives, CAS: 74499-35-7 |
| LD50, oral, Rat, 2200 mg/kg bw, OECD 401 |

Acute dermal toxicity

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

| |
|--|
| Product |
| ATE-mix, dermal, >2000 mg/kg bw |
| Substance |
| Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7 |
| LD50, dermal, Rabbit, 2000 - 5 00 mg/kg bw |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0 |
| LD50, dermal, Rabbit, > 2000 - 5000 mg/kg bw |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** |
| LD50, dermal, Rabbit, >4000 mg/kg bw |
| phenol, (tetrapropenyl) derivatives, CAS: 74499-35-7 |
| LD50, dermal, Rabbit, 15000 mg/kg bw, OECD 402 |

Acute inhalational toxicity

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

| |
|--|
| Product |
| ATE-mix, inhalation (vapour), >20 mg/L |
| Substance |
| Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7 |
| LC50, inhalative, Rat, 2.18 - 5.53 mg/L air, 4h |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0 |
| LC50, inhalative, Rat, 2,18 - 5,53 mg/L air 4h, 4h |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** |
| LC50, inhalative, Rat, >1,67 mg/l |

Serious eye damage/irritation

Based on the available information, the classification criteria are not fulfilled.

| |
|--|
| Substance |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0 |
| Eye, non-irritating |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** |

| |
|---------------------------------------|
| Eye, Rabbit, OECD 405, non-irritating |
|---------------------------------------|

Skin corrosion/irritation Based on the available information, the classification criteria are not fulfilled.

| |
|--|
| Substance |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0 |
| dermal, non-irritating |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** |
| dermal, Rabbit, OECD 404, non-irritating |

Respiratory or skin sensitisation Based on the available information, the classification criteria are not fulfilled.

| |
|--|
| Substance |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0 |
| dermal, non-sensitizing |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** |
| dermal, Human, In vivo study, non-sensitizing |

Specific target organ toxicity — single exposure Based on the available information, the classification criteria are not fulfilled.

Specific target organ toxicity — repeated exposure Based on the available information, the classification criteria are not fulfilled.

| |
|--|
| Substance |
| Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7 |
| NOAEL, dermal, Rat, 30 - 2000 mg/kg bw/day |
| NOAEL, dermal, Rabbit, 1000 mg/kg bw/day |
| NOAEC, inhalative, Rat, 980 mg/m ³ air |
| LOAEL, oral, Rat, 125 mg/kg bw/day |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0 |
| NOAEL, inhalative, Rat, 980 mg/m ³ air, no adverse effect observed |
| LOAEL, dermal, mouse, 100 mg/kg bw/day, The effects observed are not sufficient for classification. |
| LOAEL, oral, Rat, 125 mg/kg bw/day, The effects observed are not sufficient for classification. |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** |
| NOAEL, oral, Rat, 1000 mg/kg bw/day, no adverse effect observed |
| NOAEL, dermal, Rat, 250 mg/kg bw/day, no adverse effect observed |

Mutagenicity Based on the available information, the classification criteria are not fulfilled.

| |
|--|
| Substance |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0 |
| in vitro, negativ |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** |
| in vitro, OECD 471, negativ |

Reproduction toxicity Based on the available information, the classification criteria are not fulfilled.

- Fertility

| |
|--|
| Substance |
| Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7 |
| NOAEL, oral, Rat, 1000 mg/kg bw/d (Effect on fertility), no adverse effect observed |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0 |
| NOAEL, oral, Rat, 1000 mg/kg bw/d, no adverse effect observed |

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| |
|---|
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** |
| NOAEL, oral, Rat, 300 mg/kg bw/day, OECD 416, adverse effect observed |

- Development

| |
|---|
| Substance |
| Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7 |
| NOAEL, oral, Rat, 1000 mg/kg bw/d (Effect on fertility), no adverse effect observed |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** |
| NOAEL, oral, Rat, 50 mg/kg bw/day, OECD 416, adverse effect observed, Effect on developmental toxicity, |

Carcinogenicity Based on the available information, the classification criteria are not fulfilled.
Aspiration hazard Based on the available information, the classification criteria are not fulfilled.
General remarks Toxicological data of complete product are not available.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties Contains no ingredients with endocrine-disrupting properties.
11.2.2 Other information none

SECTION 12: Ecological information

12.1 Toxicity

| |
|--|
| Substance |
| Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7 |
| EL50, (48h), Invertebrates, 10 g/L |
| NOELR, (14d), fish, 1 mg/L |
| LL50, (96h), Invertebrates, 10 g/L |
| LL50, (96h), fish, 100 mg/L |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0 |
| NOELR, (14d), fish, 1 g/L |
| LL50, (96h), Invertebrates, 10 g/L |
| LL50, (96h), fish, 100 mg/L |
| Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** |
| LC50, (3d), Invertebrates, 40 mg/L |
| EL50, (3d), Algae, 500 mg/L |
| LL50, (3d), fish, 1 - 10 g/L |

12.2 Persistence and degradability

Behaviour in environment compartments not determined
Behaviour in sewage plant Can be separated out mechanically in purification plants.
Biological degradability The product is only slightly biodegradable.
 Slightly eliminable from water.

12.3 Bioaccumulative potential

No information available.

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12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

Ecological data of complete product are not available.
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

In according to RoHS!
Coordinate disposal with the disposal contractor/authorities if necessary.
Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended)

130205* mineral-based non-chlorinated engine, gear and lubricating oils

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150110* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

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14.2 UN proper shipping name

| | |
|--|-------------------------------------|
| Transport by land according to ADR/RID | NO DANGEROUS GOODS |
| Inland navigation (ADN) | NO DANGEROUS GOODS |
| Marine transport in accordance with IMDG | NOT CLASSIFIED AS "DANGEROUS GOODS" |
| Air transport in accordance with IATA | NOT CLASSIFIED AS "DANGEROUS GOODS" |

14.3 Transport hazard class(es)

| | |
|--|----------------|
| Transport by land according to ADR/RID | not applicable |
| Inland navigation (ADN) | not applicable |
| Marine transport in accordance with IMDG | not applicable |
| Air transport in accordance with IATA | not applicable |

14.4 Packing group

| | |
|--|----------------|
| Transport by land according to ADR/RID | not applicable |
| Inland navigation (ADN) | not applicable |
| Marine transport in accordance with IMDG | not applicable |
| Air transport in accordance with IATA | not applicable |

14.5 Environmental hazards

| | |
|--|----|
| Transport by land according to ADR/RID | no |
| Inland navigation (ADN) | no |
| Marine transport in accordance with IMDG | no |
| Air transport in accordance with IATA | no |

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

| | |
|--|--|
| EEC-REGULATIONS | 2008/98/EG (2000/532/EC); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707 |
| - Comment on component parts | Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%. |
| - Annex I (REACH) | The product is not subject to Annex I restrictions. |
| - Annex XIV (REACH) | According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances \geq 0.1% that are subject to authorisation. |
| - Annex XVII (REACH) | According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains \geq 0.1% of substances with the following restrictions. 75 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is subject to the following restrictions. 3 |
| TRANSPORT-REGULATIONS | ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2024) |
| NATIONAL REGULATIONS (UK): | EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP. |
| - Observe employment restrictions for people | Observe employment restrictions for young people. |
| - VOC (2010/75/CE) | 0 % |

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H318 Causes serious eye damage.
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.
H360F May damage fertility.

H413 May cause long lasting harmful effects to aquatic life.
H304 May be fatal if swallowed and enters airways.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
LL50 = Median lethal loading
LQ = Limited Quantities
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV@TWA = Threshold limit value – time-weighted average
TLV@STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects. (Calculation method)

Modified position

1.3, 2.1, 2.2, 2.3, 3.2, 5.1, 6.1, 8.1, 8.2, 9.1, 9.2, 11.1, 11.2, 12.6, 12.7, 15.1, 16.2, 16.3