

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.11.2022

Version number 111.01 (replaces version 111.00)

Revision: 17.11.2022

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

- 1.1 Product identifier

- Trade name **LP305/98**

- UFI: 01FQ-E0FV-V003-HKFT

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

No further relevant information available.

- Application of the substance / the mixture

Cleaning material/ Detergent

Restrictions on use apply to this product according to Regulation (EU) no. 1907/2006 Annex XVII (see section 15)

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Riepe GmbH & Co. KG

Theodor Rosenbaum Str. 28-30

32257 Bünde - Deutschland

Tel.: +49 (0) 5223 - 687407-0

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- Informing department:

Tel.: +49 (0) 5223 - 687407-0

E-mail: info@riepe.eu

- 1.4 Emergency telephone number:

Poison Control Center, Mainz

Tel. 00 49 / 61 31 / 19 240

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

STOT SE 3 H336 May cause drowsiness or dizziness.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms



GHS02 GHS07 GHS08 GHS09

- Signal word Danger

- Hazard-determining components of labelling:

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

- Hazard statements

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

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- Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P271 Use only outdoors or in a well-ventilated area.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P331 Do NOT induce vomiting.
- P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- 2.3 Other hazards**- Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

- Determination of endocrine-disrupting properties

78-93-3 2-Butanone

List II

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures- **Description:** Mixture of the substances listed below with harmless additions**- Dangerous components:**

| | | |
|--|---|----------|
| CAS: 64742-49-0 EC number: 920-750-0 Reg.nr.: 01-2119473851-33 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336, EUH066 | 50-100% |
| CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43 | ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 % | ≥25-<50% |
| CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43 | 2-Butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 | ≤1% |

- **Additional information** For the wording of the listed hazard phrases refer to section 16.**- Composition/Ingredients**

Constituents according to EC-Regulation 648/2004:
Perfumes (D-Limonene),

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- **General advice:** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.
- **After eye contact**
Rinse immediately opened eye for several minutes under running water. Then consult doctor.

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- After swallowing*Do not induce vomiting; instantly call for medical help.**Give water with activated carbon for drinking.***- Information for doctor***Cleaning of the stomach should only be carried out with endotracheal intubation. Danger of aspiration.**Renew lipid coating of the skin in order to protect against dermatitis. Symptomatic treatment.***- 4.2 Most important symptoms and effects, both acute and delayed***Kopfschmerzen, Schwindelgefühl, Übelkeit, Narkose, Trockene Haut, Hautkontakt kann Reizung verursachen.***- 4.3 Indication of any immediate medical attention and special treatment needed***No further relevant information available.*

SECTION 5: Firefighting measures

- 5.1 Extinguishing media**- Suitable extinguishing agents***CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.***- For safety reasons unsuitable extinguishing agents** *Water with a full water jet.***- 5.2 Special hazards arising from the substance or mixture***Can form explosive gas-air mixtures. In case of incomplete combustion carbon monoxide can arise. Fumes are heavier than air and distributed over ground. Inflammation is possible from a far distance.**Avoid contact with combustible substances***- 5.3 Advice for firefighters****- Protective equipment:***See section 8.**Wear full protective suit with self-contained breathing apparatus.***- Additional information***Endangered containers in the surrounding area should be cooled with a water-hose.*

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures*Wear protective equipment and keep unprotected persons away.**Extinguish naked flames. Remove flammable sources. No smoking. Avoid sparks. Avoid contact with skin, eyes and clothing. Avoid inhalation of fumes. Air contaminated rooms thoroughly. Protect against electrostatic sparks.***- 6.2 Environmental precautions:***Prevent material from reaching sewage system, holes and cellars.**Inform respective authorities in case product reaches water or sewage system.***- 6.3 Methods and material for containment and cleaning up:***Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).**Dispose of contaminated material as waste according to item 13.**Ensure adequate ventilation.***- 6.4 Reference to other sections***See Section 7 for information on safe handling**See Section 8 for information on personal protection equipment.**See Section 13 for information on disposal.*

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SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

Keep containers tightly sealed.

Store in cool, dry place in tightly closed containers.

Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.

Prevent formation of aerosols.

- Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- 7.2 Conditions for safe storage, including any incompatibilities

- Storage

Protect against direct sunlight, other sources of heat and ignition.

Store in cool, dry conditions in well sealed containers.

- Requirements to be met by storerooms and containers:

Observe official regulations on storage and handling of water hazardous substances

Store in cool location.

- **Information about storage in one common storage facility:** Store away from oxidising agents.

- **Further information about storage conditions:** Store container in a well ventilated position.

- **Storage class 3** (VCI - Konzept, 2007)

- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- Components with critical values that require monitoring at the workplace:

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| | |
|------------|---|
| IOELV (EU) | Short-term value: 900 mg/m ³ , 300 ppm |
| | Long-term value: 600 mg/m ³ , 200 ppm |

- DNELs

64742-49-0 Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

| | | |
|------------|-------------------|---|
| Oral | DNEL (population) | 699 mg/kg bw/day (Long-term, systemic effects) |
| Dermal | DNEL (worker) | 773 mg/kg bw/day (Long-term, systemic effects) |
| | DNEL (population) | 699 mg/kg bw/day (Long-term, systemic effects) |
| Inhalative | DNEL (worker) | 2,035 mg/m ³ (Long-term, systemic effects) |
| | DNEL (population) | 608 mg/m ³ (Long-term, systemic effects) |

64-17-5 ethanol

| | | |
|------------|-------------------|---|
| Oral | DNEL (population) | 87 mg/kg bw/day (Long-term, systemic effects) |
| Dermal | DNEL (worker) | 8,238 mg/kg bw/day (Long-term, systemic effects) |
| | DNEL (population) | 380 mg/m ³ (Long-term, systemic effects) |
| Inhalative | DNEL (worker) | 114 mg/m ³ (Long-term, systemic effects) |
| | DNEL (population) | |

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| | | |
|------------|-------------------|---|
| Oral | DNEL (population) | 31 mg/kg bw/day (Long-term, systemic effects) |
| Dermal | DNEL (worker) | 1,161 mg/kg bw/day (Long-term, systemic effects) |
| | DNEL (population) | 412 mg/kg bw/day (Long-term, systemic effects) |
| Inhalative | DNEL (worker) | 600 mg/m ³ (Long-term, systemic effects) |
| | DNEL (population) | 106 mg/m ³ (Long-term, systemic effects) |

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| - PNECs | |
|---------------------------|---|
| 64-17-5 ethanol | |
| PNEC water | 2.75 mg/l (intermittent releases) 0.96 mg/l (freshwater) 0.79 mg/l (marine water) |
| PNEC sediment | 3.6 mg/kg dw (freshwater) 2.9 mg/kg dw (marine water) |
| PNEC soil | 0.63 mg/kg dw (soil) |
| PNEC STP | 580 mg/l (sewage plant) |
| 78-93-3 2-Butanone | |
| PNEC water | 55.8 mg/l (freshwater) 55.8 mg/l (marine water) |
| PNEC sediment | 284.74 mg/kg dw (freshwater) 284.7 mg/kg dw (marine water) |
| PNEC soil | 22.5 mg/kg dw (soil) |
| PNEC STP | 709 mg/l (sewage plant) |

- Additional information: The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls

- Appropriate engineering controls

Room ventilation i.e. vacuum suction. Measures to be taken against electro-static sparks.

- Individual protection measures, such as personal protective equipment

- General protective and hygienic measures

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the skin.

Gases, fumes and aerosols should not be inhaled.

- Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

- Recommended filter device for short term use:

Filter AX

Combination filter A-P2

- Hand protection

Protective gloves.

Solvent resistant gloves

- Material of gloves

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- Penetration time of glove material

Material of gloves is recommended for a short-term single use to protect from splashes. For permanent usage contact manufacturer of gloves.

- Eye/face protection Tightly sealed safety glasses.

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- Body protection:

Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

* SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties**- General Information**

| | |
|--|---|
| - Colour: | Colourless |
| - Smell: | Characteristic |
| - Melting point/freezing point: | Not determined |
| - Boiling point or initial boiling point and boiling range | 78 °C |
| - Lower and upper explosion limit | |
| - Lower: | 0.7 Vol % |
| - Upper: | (niedrigster und höchster Wert der Einzelkomponenten) |
| - Flash point: | 1 °C |
| - pH | not applicable Not determined. |
| - pH-value: | |
| - Viscosity: | |
| - Kinematic viscosity | Not determined. |
| - dynamic: | Not determined. |
| - Solubility | |
| - Water: | Insoluble |
| - Vapour pressure at 50 °C: | < 110 kPa |
| - Density and/or relative density | |
| - Density at 20 °C | 0.753 g/cm ³ |

- 9.2 Other information

| | |
|---|---|
| - Appearance: | |
| - Form: | Fluid |
| - Important information on protection of health and environment, and on safety. | |
| - Self-inflammability: | Product is not selfigniting. |
| - Explosive properties: | Product is not explosive. However, formation of explosive air/steam mixtures is possible. |

- Information with regard to physical hazard classes

| | |
|---|------|
| - Explosives | Void |
| - Flammable gases | Void |
| - Aerosols | Void |
| - Oxidising gases | Void |
| - Gases under pressure | Void |
| - Flammable liquids | |
| Highly flammable liquid and vapour. | |
| - Flammable solids | Void |
| - Self-reactive substances and mixtures | Void |
| - Pyrophoric liquids | Void |
| - Pyrophoric solids | Void |

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| | |
|--|------|
| - Self-heating substances and mixtures | Void |
| - Substances and mixtures, which emit flammable gases in contact with water | Void |
| - Oxidising liquids | Void |
| - Oxidising solids | Void |
| - Organic peroxides | Void |
| - Corrosive to metals | Void |
| - Desensitised explosives | Void |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
To avoid: warmth, flames, sparks
- **10.3 Possibility of hazardous reactions** Violent reaction with strong oxidizing agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** strong oxidizing agents
- **10.6 Hazardous decomposition products:**
Formation of carbon monoxide and carbon dioxide in case of fire.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

64742-49-0 Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

| | | |
|------------|-------------|------------------------|
| Oral | LD50 | >5,000 mg/kg (rat) |
| Dermal | LD50 | >2,000 mg/kg (rabbit) |
| Inhalative | LC 50 / 4 h | >20 mg/l (rat) (vapor) |

64-17-5 ethanol

| | | |
|------------|-------------|---|
| Oral | LD50 | 10,470 mg/kg (rat) (OECD 401) |
| Dermal | LD50 | >2,000 mg/kg (rabbit) (OECD 402) |
| Inhalative | LC 50 / 4 h | >50 mg/l (rat) (OECD 403) >20 mg/l (mouse) |

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| | | |
|------------|-------------|----------------------------------|
| Oral | LD50 | 3,300 mg/kg (rat) |
| Dermal | LD50 | 5,000 mg/kg (rbt) |
| Inhalative | LC 50 / 4 h | 34.5 mg/l (rat) 40 mg/l (mus) |

- **Skin corrosion/irritation** Slight irritant, but not sufficient to trigger an EC label.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or 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** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.

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- STOT-single exposure

May cause drowsiness or dizziness.

- STOT-repeated exposure Based on available data, the classification criteria are not met.**- Aspiration hazard**

May be fatal if swallowed and enters airways.

- STOT-repeated exposure:**64-17-5 ethanol**

Oral NOAEL 1,760 mg/kg (rat) (OECD 408, 90 d, target organ: liver)

- Additional toxicological information:

Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis. Aspiration into the lungs may cause chemical pneumonitis which can be fatal.

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

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List II

* SECTION 12: Ecological information

- 12.1 Toxicity**- Aquatic toxicity:****64742-49-0 Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics**

| | |
|-------|-----------------------------------|
| LC 50 | 1-10 mg/l (fish) |
| EC 50 | 1-10 mg/l (Aquatic invertebrates) |
| NOEC | 0.1-1 mg/l (fish) |

64-17-5 ethanol

| | |
|--------------|--|
| LC 50 / 48 h | 8,140 mg/l (Leuciscus idus) |
| EC 50 / 48 h | >10,000 mg/l (Daphnia magna) |
| EC 50 / 72 h | 275 mg/l (Chlorella vulgaris) (OECD 201) |

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| | |
|--------------|----------------------|
| LC 50 / 96 h | >3,000 mg/l (fish) |
| EC 50 / 48 h | 1,382 mg/l (Daphnia) |

- 12.2 Persistence and degradability

Expected to be inherently biodegradable.

Oxidises rapidly by photo-chemical reactions in air.

Integrated environmental half-life expected to be 1- <10 days.

- 12.3 Bioaccumulative potential

Schwimmt auf dem Wasser. Verdunstet innerhalb eines Tages von Wasser- oder Bodenoberflächen. Wenn große Mengen freigesetzt werden, können diese ins Erdreich eindringen und das Grundwasser schädigen. Bioakkumulation potentiell möglich.

- 12.4 Mobility in soil No further relevant information available.**- 12.5 Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.**- 12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.**- 12.7 Other adverse effects****- Remark:** Toxic for fish

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- Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):

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EC 50 (static) >100 mg/l (Chlorella pyrenoidosa) (OECD 201)

- Additional ecological information:

- General notes:

Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

- Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

If possible, send to be recycled, otherwise burn or deposit in a certified facility.

Contaminated water to separate by separator and dispose off in line with administrative regulations.

- Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

- Uncleaned packagings: Disposal must be made according to official regulations.

- Recommendation:

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

Caution: Leftovers in the containers may cause the risk of explosion.

Uncleaned containers should not be perforated, cut or welded.

SECTION 14: Transport information

- 14.1 UN number or ID number

- ADR/RID, IMDG, IATA

UN1993

- 14.2 UN proper shipping name

- ADR/RID

1993 FLAMMABLE LIQUID, N.O.S. (PETROLEUM NAPHTHA, ETHANOL (ETHYL ALCOHOL)), ENVIRONMENTALLY HAZARDOUS, special provision 640D

- IMDG

FLAMMABLE LIQUID, N.O.S. (PETROLEUM NAPHTHA, ETHANOL (ETHYL ALCOHOL)), MARINE POLLUTANT

- IATA

FLAMMABLE LIQUID, N.O.S. (PETROLEUM NAPHTHA, ETHANOL)

- 14.3 Transport hazard class(es)

- ADR/RID

- Class

3 (F1) Flammable liquids.

- Label

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| | |
|---|--|
| - IMDG, IATA | |
| - Class | 3 Flammable liquids. |
| - Label | 3 |
| - 14.4 Packing group | |
| - ADR/RID, IMDG, IATA | II |
| - 14.5 Environmental hazards: | Product contains environmentally hazardous substances: PETROLEUM NAPHTHA |
| - Marine pollutant: | Yes |
| | Symbol (fish and tree) |
| - Special marking (ADR/RID): | Symbol (fish and tree) |
| - 14.6 Special precautions for user | Warning: Flammable liquids. |
| - Kemler Number: | 33 |
| - EMS Number: | F-E, S-E |
| - Stowage Category | B |
| - 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| - Transport/Additional information: | |
| - ADR/RID | |
| - Limited quantities (LQ) | 1L |
| - Excepted quantities (EQ) | Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml |
| - IMDG | |
| - Limited quantities (LQ) | 1L |
| - Excepted quantities (EQ) | Código E4 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml |
| - UN "Model Regulation": | UN 1993 FLAMMABLE LIQUID, N.O.S. (PETROLEUM NAPHTHA, ETHANOL (ETHYL ALCOHOL)), 3, II, ENVIRONMENTALLY HAZARDOUS |

SECTION 15: Regulatory information

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

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS02 GHS07 GHS08 GHS09

- **Signal word** Danger

- **Hazard-determining components of labelling:**

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

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- Hazard statements

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

- Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P271 Use only outdoors or in a well-ventilated area.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.

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

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Directive 2012/18/EU**- Named dangerous substances - ANNEX I** None of the ingredients is listed.**- Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

- Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t**- Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t**- REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- REGULATION (EU) 2019/1148**- Regulation (EC) No 273/2004 on drug precursors**

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- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

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- National regulations**- Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

- VOC:

100% volatile organic compounds (Swiss Ordinance on the Incentive Tax on Volatile Organic Compounds).

- Other regulations, limitations and prohibitive regulations**- Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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- UFI market placements:**- Relevant phrases**

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

- Department issuing data specification sheet: see item 1: Informing department

- Date of previous version: 17.11.2022

- Version number of previous version: 111.00

- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

LEV: Local Exhaust Ventilation

NOAEL: No Observed Adverse Effect Level

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

ISO: International Organisation for Standardisation

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

- * Data compared to the previous version altered.