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

- · 1.1 Product identifier
- · Trade name: ZEP 45 AERO NEW
- · Article number: 01470001
- · **UFI:** 7J6T-1KST-RT8J-F7MX
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Life cycle stages PW Widespread use by professional workers
- · Sector of Use SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- · Product category PC24 Lubricants, greases, release products
- · Process category

PROC7 Industrial spraying

PROC11 Non industrial spraying

Environmental release category

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

· Application of the substance / the mixture

Lubricant

Penetrating oil

· 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

ZEP ITALIA SRL

Piazzale Luigi Cadorna, 2

20123 Milano (MI) - Italy;

Via Nettunense Km. 25.000

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· 1.4 Emergency telephone number:

NHS +44 0845 46 47 (England or Wales); +44 08454 24 24 24 (Scotland)

emergency number (europe): 112

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Eye Irrit. 2 H319 Causes serious eye irritation.

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STOT SE 3 H336 May cause drowsiness or dizziness.

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

- · 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



· Signal word Danger

Hazard-determining components of labelling:

Hydrocarbons, C9-11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Distillates (petroleum), hydrotreated light naphthenic

· Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.H336 May cause drowsiness or dizziness.

· Precautionary statements

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

2.3 Other hazards The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.

· Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

| EC number: 919-857-5 | Hydrocarbons, C9-11, n-alkanes, isoalkanes, cyclics, <2% aromatics | 25-50% |
|--|---|-----------------|
| Reg.nr.: 01-2119463258-33-XXXX | | |
| CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43-xxxx | ethanol | 5-10% |
| CAS: 64742-53-6 EINECS: 265-156-6 Index number: 649-466-00-2 Reg.nr.: 01-2119480375-34-xxxx | Distillates (petroleum), hydrotreated light naphthenic & Āsp. Tox. I, H304 | 5-10% |
| CAS: 68608-26-4 EINECS: 271-781-5 Reg.nr.: 01-2119527859-22-XXXX | Sulfonic acids, petroleum, sodium salts © Eye Irrit. 2, H319 | <i>≥</i> 5-<10% |
| CAS: 123-92-2 EINECS: 204-662-3 Index number: 607-130-00-2 Reg.nr.: 01-2119548408-32-xxxx | Isoamyl acetate Flam. Liq. 3, H226 EUH066 | 2.5-5% |
| CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 Reg.nr.: 01-2119475108-36-xxxx | 2-butoxyethanol •••• Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319 | 2.5-5% |

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| | | (Contd. of page 2) |
|--------------------------------------|---|--------------------|
| CAS: 124-38-9 | carbon dioxide | 1-2.5% |
| EINECS: 204-696-9 | ♦ Press. Gas (Ref. Liq.), H281 | - 1 |
| CAS: 57855-77-3 | Calcium bis(dinonylnaphthalenesulphonate) | 1-2.5% |
| EINECS: 260-991-2 | (1) Skin Irrit. 2, H315; Eye Irrit. 2, H319 | - 1 |
| Reg.nr.: 01-2119980985-16-0000 | | |
| | Amido carboxylate | ≥0.25-<1% |
| | ♠ Eye Dam. 1, H318 | 7] |
| | Eye Dam. 1, H318 Aquatic Acute 1, H400 | |
| | Acute Tox. 4, H332; Skin Irrit. 2, H315 | |
| · Additional information: For the wo | ording of the listed hazard phrases refer to section 16. | |

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
- · After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately rinse with water.

If skin irritation continues, consult a doctor.

- · After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- · After swallowing:

Do not induce vomiting; call for medical help immediately.

Seek immediate medical advice.

- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 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, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

· Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Remove persons from danger area.

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Keep contaminated washing water and dispose of appropriately.

· 6.3 Methods and material for containment and cleaning up:

Dispose 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 disposal information.

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SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.

Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect from heat.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray onto a naked flame or any incandescent material.

- · 7.2 Conditions for safe storage, including any incompatibilities
- Storage:

Dermal

DNEL Acute-systemic

DNEL Long term-systemic

· Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions:

Keep receptacle tightly sealed.

Protect from heat and direct sunlight.

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

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the

| CAS: 123- | 92-2 Isoamyl acetate | | | |
|------------|-------------------------------------|--------------------------------------|--|--|
| | hort-term value: 540 mg/m³, 100 ppm | | | |
| Lo | ong-term value: 270 mg/m³, 50 ppm | | | |
| CAS: 111- | 76-2 2-butoxyethanol | | | |
| | ort-term value: 246 mg/m³, 50 ppm | 1 | | |
| Lo Sk | ng-term value: 98 mg/m³, 20 ppm | | | |
| ~ | an 38-9 carbon dioxide | | | |
| | | | | |
| | ng-term value: 9000 mg/m³, 5000 p | эрт | | |
| DNELs | | | | |
| Hydrocarb | oons, C9-11, n-alkanes, isoalkanes, | , cyclics, <2% aromatics | | |
| Oral | DNEL Long term-systemic | 125 mg/kg human/day (consumer) | | |
| Dermal | DNEL Long term-systemic | 125 mg/kg human/day (consumer) | | |
| | | 208 mg/kg human/day (worker) | | |
| Inhalative | DNEL Long term-systemic mg/m3 | 900 mg/m3 (consumer) | | |
| | | 871 mg/m3 (worker) | | |
| CAS: 64-1 | 7-5 ethanol | | | |
| Oral | DNEL Long term-systemic | 87 mg/kg human/day (consumer) | | |
| Dermal | DNEL Long term-systemic | 206 mg/kg human/day (consumer) | | |
| | | 343 mg/kg human/day (worker) | | |
| Inhalative | DNEL Long term-systemic mg/m3 | 114 mg/m3 (consumer) | | |
| | | 950 mg/m3 (worker) | | |
| | DNEL Long term local mg/m3 | 950 mg/m3 (consumer) | | |
| | | 1,900 mg/m3 (worker) | | |
| CAS: 111- | 76-2 2-butoxyethanol | 1 | | |
| Oral | DNEL acute-systemic | 13.4-26.7 mg/kg human/day (consumer) | | |
| | DNEL Long term-systemic | 3.2-6.3 mg/kg human/day (consumer) | | |

44.5-89 mg/kg human/day (consumer) 89 mg/kg human/day (worker)

38-75 mg/kg human/day (consumer)

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| | | (Contd. of page |
|--|-------------------------------|---------------------------------|
| | | 75-125 mg/kg human/day (worker) |
| Inhalative | DNEL Long term-systemic mg/m3 | 49-59 mg/m3 (consumer) |
| | | 98 mg/m3 (worker) |
| | DNEL Long term local mg/m3 | 147 mg/m3 (consumer) |
| DNEL Acute-systemic mg/m3 4 DNEL Acute-local mg/m3 1 | | 426 mg/m3 (consumer) |
| | | 633-1,091 mg/m3 (worker) |
| | | 123 mg/m3 (consumer) |
| | | 246 mg/m3 (worker) |
| PNECs | | |
| CAS: 64-1 | 7-5 ethanol | |
| PNEC Freshwater mg/L 0.96 mg PNEC Marinewater mg/L 0.79 mg | | g/L (-) |
| | | r/I (_) |

| CAS: 64-1/-3 etnanol | |
|----------------------------------|--|
| PNEC Freshwater mg/L | 0.96 mg/L (-) |
| PNEC Marinewater mg/L | 0.79 mg/L (-) |
| PNEC Freshwater sediment | 3.6 mg/Kg (-) |
| PNEC Marine water sediment | 0.96 mg/L (-) 0.79 mg/L (-) 3.6 mg/Kg (-) 2.9 mg/Kg (-) |
| PNEC Intermittent release | 2.75 (-) |
| PNEC Soil | 2.75 (-) 0.63 mg/Kg (-) |
| PNEC Sewage treatment Plant mg/L | |

CAS: 111-76-2 2-butoxyethanol

| PNEC Freshwater mg/L | 8.8 mg/L |
|--|--|
| PNEC Marinewater mg/L | 8.8 mg/L 0.88 mg/L 8.14 mg/Kg 3.46 mg/Kg 2.8 mg/Kg |
| PNEC Freshwater sediment | 8.14 mg/Kg |
| PNEC Marine water sediment | 3.46 mg/Kg |
| PNEC Soil | 2.8 mg/Kg |
| $PNEC\ Sewage\ treatment\ Plant\ mg/L$ | 463 mg/L |

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see item 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Do not eat, drink, smoke or sniff while working.

Respiratory protection:

Filter A

Use suitable respiratory protective device only when aerosol or mist is formed.

· Hand protection



Protective gloves

· Material of gloves

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

- Not suitable are gloves made of the following materials: Strong material gloves
- · Eye/face protection



Tightly sealed goggles

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· Body protection: Protective work clothing

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| 9.1 Information on basic physical and chemical properti | ies |
|---|---|
| General Information | |
| Physical state | Aerosol |
| Colour: | According to product specification |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |
| Melting point/freezing point: | Undetermined. |
| Boiling point or initial boiling point and boiling range | Not applicable, as aerosol. |
| Flammability | Not applicable. |
| Lower and upper explosion limit | |
| Lower: | 0.6 Vol % |
| Upper: | 15 Vol % |
| Flash point: | <0 °C |
| Auto-ignition temperature: | Product is not selfigniting. |
| Decomposition temperature: | Not determined. |
| pH | Not determined. |
| Viscosity: | |
| Kinematic viscosity | Not determined. |
| Dynamic: | Not determined. |
| Solubility | 1101 word mineu. |
| Solubully water: | Insoluble. |
| water: Partition coefficient n-octanol/water (log value) | Not determined. |
| | 3.7 hPa |
| Vapour pressure at 20 °C: | 5./ nra |
| Density and/or relative density | 0.06 -/3 |
| Density at 20 °C: | $0.86 \mathrm{g/cm^3}$ |
| Relative density | Not determined. |
| Vapour density | Not determined. |
| 9.2 Other information | |
| Appearance: | |
| Form: | Aerosol |
| Important information on protection of health and | |
| environment, and on safety. | |
| Explosive properties: | Product is not explosive. However, formation of explosive air/ |
| Explosive properties. | vapour mixtures are possible. |
| Solvent content: | vapour matures are possible. |
| Organic solvents: | 66.5 % |
| EU-VOC: | 571.9 g/l |
| EU-VOC. EU-VOC | |
| | 66.50 % 62.00 % |
| Swiss VOC: | |
| Solids content: | 6.3 % |
| Change in condition | M It |
| Evaporation rate | Not applicable. |
| Information with regard to physical hazard classes | |
| Explosives | Void |
| Flammable gases | Void |
| Aerosols | Extremely flammable aerosol. Pressurised container: May burst t |
| 2101 03010 | heated. |
| Ovidising gases | void |
| Oxidising gases | voia Void |
| Gases under pressure | |
| Flammable liquids | Void V-: J |
| Flammable solids | Void |
| Self-reactive substances and mixtures | Void |
| Pyrophoric liquids | Void |
| Pyrophoric solids | Void |
| Self-heating substances and mixtures | Void |
| Substances and mixtures, which emit flammable gases in | n |
| contact with water | Void |
| Oxidising liquids | Void |
| ~ · | Void |

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| | | (Contd. of page 6) |
|-------------------------|------|--------------------|
| · 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.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

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 relevant for classification: | | | | |
| ATE (Acute Toxicity Estimates) | | | | |
| Oral | LD50 | 38,129 mg/kg (ATE) | | |
| Dermal | LD50 | 63,548 mg/kg (rab) | | |
| Inhalative | LC50 / 4 h | 70.2 mg/l (Rat) | | |
| Hydrocarbons, C9-11, n-alkanes, isoalkanes, cyclics, <2% aromatics | | | | |
| Oral | LD50 | >5,000 mg/kg (Rat) | | |
| | ATE (Acu Oral Dermal Inhalative | ATE (Acute Toxicity E. Oral LD50 Dermal LD50 Inhalative LC50 / 4 h Hydrocarbons, C9-11, | | |

| Dermai | LDSU | >5,000 mg/kg (Kabbit) |
|------------|-------------|---|
| Inhalative | LC50 / 4 h | >5,000 mg/kg (Rabbit) 4,951 mg/l (Rat) |
| CAS: 64-1 | 7-5 ethanol | |
| Oral | LD50 | 7,060 mg/kg (Rat) |
| 7 1 1 | 1050 / / 1 | 20.000 // (D. /) |

| CAS: 6474 | 2-53-6 Disti | llates (petroleum), hydrotreated light naphthenic |
|------------|--------------|---|
| Inhalative | LC30/4 h | 20,000 mg/l (Rat) |

| Oral | LD50 | >5,000 mg/kg (Rat) |
|--------|------|--------------------|
| Dermal | LD50 | >5,000 mg/kg (Rat) |

CAS: 68608-26-4 Sulfonic acids, petroleum, sodium salts

>6,000 mg/kg (Rat)

| | | | U | 0 1 | |
|-----------|---------------|-----------|---|--------------|-------|
| CAS: 123- | .92-2 Isoamyi | l acetate | | | |
| Oual | LD50 | > 5,000 - | | I_{ra} / D | ~ +) |

| Oral | LD50 | >5,000 mg/kg (Rat) |
|--------|------|-----------------------|
| Dermal | LD50 | >5,000 mg/kg (Rabbit) |

CAS: 111-76-2 2-butoxyethanol

Oral

| Oral | | 1,200 mg/kg (ATE) |
|------------|-------------|-------------------------------------|
| | | 470 mg/kg (Rat) |
| | | 300 mg/kg (Rabbit) |
| Dermal | LD50 | 2,000 mg/kg (rab) |
| | | mg/kg (Rat) |
| Inhalative | LC50 / 4 h | 2.21 mg/l (Rat) |
| | LC50 / 48 h | mg/ltr (Daphnia magna (water flea)) |

- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Causes serious eye irritation.
- · 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.
- · 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.

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Safety data sheet according to 1907/2006/EC, Article 31

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· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- · 12.1 Toxicity
- Aquatic toxicity:

No further relevant information available.

| CAS: 64-17- | 5 ethanol |
|--------------|---------------|
| EC 50 / 48 h | 10 800 mg/ltr |

EC 50 / 48 h 10,800 mg/ltr (Daphnia magna (water flea))

CAS: 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic

LC50 / 96 h > 100 mg/ltr (fish)

CAS: 123-92-2 Isoamyl acetate

LC50/96 h 22-46 mg/ltr (Brachydanio rerio)
EC 50/48 h 42 mg/ltr (Daphnia magna (water flea))
BOD 20-60 (biodegradation in % after 28 days)

CAS: 111-76-2 2-butoxyethanol

LC50 / 96 h 1,490 mg/ltr (Lepomis Macrochirus (Bluegill Sunfish))

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 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 The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects
- · Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation Hand over to hazardous waste disposers.

| · Europear | · European waste catalogue | | |
|------------|---|--|--|
| 15 00 00 | WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED | | |
| 15 01 00 | packaging (including separately collected municipal packaging waste) | | |
| 15 01 04 | metallic packaging | | |
| HP3 | Flammable | | |
| HP4 | Irritant - skin irritation and eye damage | | |
| HP5 | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity | | |

- · Uncleaned packaging:
- · Recommendation: Disposal in accordance with administrative provisions

| CECTION | 1 / 70 | |
|---------|---------------|---------------|
| NECTON | 14: Transport | t intormation |
| | | |

| · 14.1 UN number or ID number | |
|-------------------------------|--------|
| · ADR, IMDG, IATA | UN1950 |

· 14.2 UN proper shipping name

· ADR 1950 AEROSOLS · IMDG AEROSOLS

· IATA AEROSOLS, flammable

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(Contd. of page 8) · 14.3 Transport hazard class(es) $\cdot ADR$ 2 5F Gases. · Class · Label 2.1 · IMDG, IATA 2.1 · Label 2.1 14.4 Packing group · ADR, IMDG, IATA Void 14.5 Environmental hazards: · Marine pollutant: No · 14.6 Special precautions for user Warning: Gases. · Hazard identification number (Kemler code): · EMS Number: F-D,S-U· Stowage Code SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: · Segregation Code Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. · 14.7 Maritime transport in bulk according to IMO instruments Not applicable. · Transport/Additional information: 1L· Limited quantities (LQ) · Excepted quantities (EQ) Code: E0 Not permitted as Excepted Quantity · Transport category D· Tunnel restriction code · IMDG · Limited quantities (LQ) 1LCode: E0 · Excepted quantities (EQ) Not permitted as Excepted Quantity UN 1950 AEROSOLS, 2.1 · UN "Model Regulation":

SECTION 15: Regulatory information

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

Reg. (EC) n. 1272/2008 - CLP;

Reg. (EC) n. 2015/830 annex II of REACH;

Dir. 06/08 ADR – RID - IMDG - IATA;

Dir. 12/18 (Seveso III);

Dir. 2008/98/CE and Reg. (EC) n.1357/2014 (Waste management)

· Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

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Safety data sheet according to 1907/2006/EC, Article 31

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· Hazard pictograms



· Signal word Danger

Hazard-determining components of labelling:

Hydrocarbons, C9-11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Distillates (petroleum), hydrotreated light naphthenic

· Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.H336 May cause drowsiness or dizziness.

· Precautionary statements

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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 P3b FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 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
- Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

- · National regulations:
- · Technical instructions (air):

| Class | Share in % |
|-------|------------|
| NK | 66.5 |

- · Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H281 Contains refrigerated gas; may cause cryogenic burns or injury.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.

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Very toxic to aquatic life.

EUH066 Repeated exposure may cause skin dryness or cracking.

· Classification according to Regulation (EC) No 1272/2008 Calculation method

· Department issuing SDS:

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710 B: Tel: +32 2 347 0117 Fax: +32 2 347 1395 IT: Tel: +39 069 266 91Fax: +39 06.927 470 61 UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

· Contact:

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710 B: Tel: +32 2 347 0117 Fax: +32 2 347 1395 IT: Tel: +39 069 266 91Fax: +39 06.927 470 61 UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

· Date of previous version: 22.06.2021

· Version number of previous version: 15

· Abbreviations and acronyms:

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 Harmonised System of Classification and Labelling of Chemicals

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)

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

VOC: Volatile Organic Compounds (USA, EU) DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

WELL: The highest acceptable concentration

IOELV: Indicative occupational exposure limit values Aerosol 1: Aerosols – Category 1

Press. Gas (Ref. Liq.): Gases under pressure - Refrigerated liquefied gas

Flam. Liq. 2: Flammable liquids - Category 2

Flam. Liq. 3: Flammable liquids - Category 3

Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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 Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

* Data compared to the previous version altered.

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Annex: Exposure scenario

- · Short title of the exposure scenario For the finished product.
- Sector of Use SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- Product category PC24 Lubricants, greases, release products
- · Process category

PROC7 Industrial spraying

PROC11 Non industrial spraying

Environmental release category

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

- Description of the activities / processes covered in the Exposure Scenario See section 1 of the annex to the Safety Data Sheet.
- · Conditions of use
- · Duration and frequency 5 workdays/week.
- · Physical parameters
- · Physical state Aerosol
- · Concentration of the substance in the mixture The substance is main component.
- · Used amount per time or activity According to directions for use.
- · Other operational conditions
- · Other operational conditions affecting environmental exposure Use only on hard ground.
- Other operational conditions affecting worker exposure

Avoid contact with the skin.

Avoid long-term or repeated skin contact.

Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking.

Indoor application.

Outdoor application.

Avoid contact with eyes.

- Other operational conditions affecting consumer exposure Keep out of the reach of children.
- Other operational conditions affecting consumer exposure during the use of the product Not applicable.
- · Risk management measures
- · Worker protection
- · Organisational protective measures No special measures required.
- · Technical protective measures

Provide explosion-proof electrical equipment.

Use product only in enclosed systems.

Ensure that suitable extractors are available on processing machines

· Personal protective measures

Avoid contact with the skin.

Protective gloves

Avoid contact with the eyes.

Tightly sealed goggles

· Measures for consumer protection

Ensure adequate labelling.

Keep locked up and out of the reach of children.

- · Environmental protection measures
- · Water Do not allow to reach sewage system.
- · Soil Prevent contamination of soil.
- · Disposal measures

Disposal in accordance with administrative provisions

Ensure that waste is collected and contained.

- · Disposal procedures Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- · Waste type Partially emptied and uncleaned packaging
- Exposure estimation
- · Consumer Not relevant for this Exposure Scenario.
- · Guidance for downstream users No further relevant information available.