

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.12.2022

Version number 5 (replaces version 4)

Revision: 14.12.2022

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

#### 1.1 Product identifier

**Trade name Induline ZL-550****Article number:** 283433

#### 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** Lacquer

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

Remmers GmbH

Bernhard-Remmers-Str. 13  
D-49624 Lönigen / Germany

Tel.: +49(0)5432/83-0

Fax: +49(0)5432/3985

Remmers (UK) Limited  
Unit 4 , Lloyds Court  
Manor Royal, Crawley – West Sussex RH10 9QU  
fon +44 (0) 1293 594 010  
fax +44 (0) 1293 594 037**Information department:**

Product Safety department: Phone: +44 (0) 1293 594 010

Email: sales@remmers.co.ukk

#### 1.4 Emergency telephone number:

National Poisons Information Service (NPIS):

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

### 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.                |
| Skin Irrit. 2     | H315 Causes skin irritation.                            |
| Eye Irrit. 2      | H319 Causes serious eye irritation.                     |
| STOT SE 3         | H336 May cause drowsiness or dizziness.                 |
| Aquatic Chronic 3 | H412 Harmful 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 GB CLP regulation.

**Hazard pictograms**

GHS02 GHS07

**Signal word** Danger**Hazard-determining components of labelling:**

n-butyl acetate

ethyl acetate

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane

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1-methoxy-2-propanol

**Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful 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.

P233 Keep container tightly closed.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P312 Call a POISON CENTER/doctor if you feel unwell.

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

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

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

**Additional information:**

EUH208 Contains methyl methacrylate, Pine oil. May produce an allergic reaction.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures****Description:** Mixture of the substances listed below with harmless additions.

| <b>Dangerous components [% w/w]:</b>                                                                |                                                                                                                                                                                   |          |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| CAS: 123-86-4<br>EINECS: 204-658-1<br>Index number: 607-025-00-1<br>Reg.nr.: 01-2119485493-29-XXXX  | n-butyl acetate<br>Flam. Liq. 3, H226; STOT SE 3, H336, EUH066                                                                                                                    | ≥20-<30% |
| CAS: 141-78-6<br>EINECS: 205-500-4<br>Index number: 607-022-00-5<br>Reg.nr.: 01-2119475103-46-XXXX  | ethyl acetate<br>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066                                                                                                  | ≥10-<20% |
| CAS: 1330-20-7<br>EINECS: 215-535-7<br>Index number: 601-022-00-9<br>Reg.nr.: 01-2119488216-32-XXXX | xylene<br>Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315                                                                                         | ≥10-<20% |
| CAS: 108-10-1<br>EINECS: 203-550-1<br>Index number: 606-004-00-4<br>Reg.nr.: 01-2119473980-30-XXXX  | 4-methylpentan-2-one<br>Flam. Liq. 2, H225; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335, EUH066<br>ATE: LC50/4 h inhalative: 11 mg/l                                  | ≥5-<10%  |
| EC number: 921-024-6<br>Reg.nr.: 01-2119475514-35-XXXX                                              | hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane<br>Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336, EUH066 | ≥2.5-<5% |

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|                                                                                                    |                                                                                                                                                                                                          |                  |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| CAS: 107-98-2<br>EINECS: 203-539-1<br>Index number: 603-064-00-3                                   | 1-methoxy-2-propanol<br>Flam. Liq. 3, H226; STOT SE 3, H336                                                                                                                                              | ≥2.5-<5%         |
| CAS: 108-65-6<br>EINECS: 203-603-9<br>Index number: 607-195-00-7<br>Reg.nr.: 01-2119475791-29-XXXX | 2-methoxy-1-methylethyl acetate<br>Flam. Liq. 3, H226; STOT SE 3, H336                                                                                                                                   | ≥2.5-<5%         |
| CAS: 28553-12-0<br>EINECS: 249-079-5<br>Reg.nr.: 01-2119430798-28-XXXX                             | diisononyl phthalate<br>substance with a Community workplace<br>exposure limit                                                                                                                           | ≥1-<2.5%         |
| CAS: 100-41-4<br>EINECS: 202-849-4<br>Index number: 601-023-00-4                                   | ethylbenzene<br>Flam. Liq. 2, H225; STOT RE 2, H373; Asp.<br>Tox. 1, H304; Acute Tox. 4, H332                                                                                                            | ≥0.25-≤0.5%      |
| CAS: 67-63-0<br>EINECS: 200-661-7<br>Index number: 603-117-00-0<br>Reg.nr.: 01-2119457558-25-XXXX  | propan-2-ol<br>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE<br>3, H336                                                                                                                                | ≥0.25-≤0.5%      |
| CAS: 80-62-6<br>EINECS: 201-297-1<br>Index number: 607-035-00-6<br>Reg.nr.: 01-2119452498-XXXX     | methyl methacrylate<br>Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin<br>Sens. 1, H317; STOT SE 3, H335                                                                                                   | ≥0.25-≤0.5%      |
| CAS: 71-36-3<br>EINECS: 200-751-6<br>Index number: 603-004-00-6<br>Reg.nr.: 01-2119484630-38-XXXX  | n-butanol<br>Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute<br>Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3,<br>H335-H336                                                                                   | ≥0.1-≤0.25%      |
| CAS: 108-65-6<br>EINECS: 203-603-9<br>Index number: 607-195-00-7<br>Reg.nr.: 01-2119475791-29-XXXX | 2-methoxy-1-methylethyl acetate<br>Flam. Liq. 3, H226                                                                                                                                                    | ≥0.1-≤0.25%      |
| CAS: 68956-56-9<br>EINECS: 273-309-3<br>Reg.nr.: 01-2119980606-28-XXXX                             | Hydrocarbons, terpene processing by-products<br>Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic<br>Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2,<br>H319; Skin Sens. 1, H317                        | ≥0.1-<0.25%      |
| CAS: 108-31-6<br>EINECS: 203-571-6<br>Index number: 607-096-00-9<br>Reg.nr.: 01-2119472428-31-XXXX | maleic anhydride<br>Resp. Sens. 1, H334; STOT RE 1, H372; Skin<br>Corr. 1B, H314; Acute Tox. 4, H302; Skin<br>Sens. 1A, H317, EUH071<br>Specific concentration limit:<br>Skin Sens. 1A;H317: C ≥ 0.001 % | ≥0.00025-<0.001% |

### Regulation (EC) No 648/2004 on detergents / Labelling for contents

preservation agents (Phenoxyethanol)

#### Additional information

Benzene content: < 0,1% Note P is applicable. It is not necessary to classify nor to mark the product as carcinogenic.

For the wording of the listed hazard phrases refer to section 16.

### \* SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**After inhalation** In case of unconsciousness bring patient into stable side position for transport.

#### After skin contact

Do not use solvents or thinners!

Wash immediately with water and soap and rinse thoroughly.

#### After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

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**After swallowing** Keep the person affected quiet.

### **4.2 Most important symptoms and effects, both acute and delayed**

In case of prolonged/repeated exposure or in high concentrations:

Headache

Dizziness

nausea

tiredness

Dazed

Dry skin

Excessive contact with skin, eyes or respiratory system may cause irritation.

### **Danger**

Danger by skin resorption.

Long-term or repeated exposure may cause inflammation of the skin (dermatitis).

### **4.3 Indication of any immediate medical attention and special treatment needed**

symptomatic treatment

To avoid dermatitis (skin inflammation), use skin cream.

## \* SECTION 5: Firefighting measures

### **5.1 Extinguishing media**

**For safety reasons unsuitable extinguishing agents** Water with a full water jet.

### **5.2 Special hazards arising from the substance or mixture**

Thick black smoke forms in fires. Inhalation of dangerous decomposition products may cause serious damage to your health.

Vapours are heavier than air and spread out over the ground. Ignition over greater distances is possible.

### **5.3 Advice for firefighters**

#### **Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear full protective suit.

#### **Additional information**

Cool endangered containers with water spray jet.

Collect contaminated fire fighting water separately. It must not enter drains.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## SECTION 6: Accidental release measures

### **6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

### **6.2 Environmental precautions:**

Do not allow to enter the ground/soil.

Inform responsible authorities in case product reaches bodies of water or sewage system.

Inform responsible authorities in case product reaches bodies of 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.

## SECTION 7: Handling and storage

### **7.1 Precautions for safe handling**

Use only in well ventilated areas.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

#### **Information about protection against explosions and fires:**

Fumes can combine with air to form an explosive mixture.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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**7.2 Conditions for safe storage, including any incompatibilities****Storage****Requirements to be met by storerooms and containers:** Store in cool location.**Information on storage in a common storage facility:**

Do not store together with fire promoting and self-igniting materials

**Further information about storage conditions:**

Store container in a well ventilated position.

Keep container tightly closed.

Store cool and dry in tightly closed containers.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

| <b>Components with limit values that require monitoring at the workplace:</b> |                                                                                                                  |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>CAS: 123-86-4 n-butyl acetate</b>                                          |                                                                                                                  |
| WEL                                                                           | Short-term value: 966 mg/m <sup>3</sup> , 200 ppm<br>Long-term value: 724 mg/m <sup>3</sup> , 150 ppm            |
| <b>CAS: 141-78-6 ethyl acetate</b>                                            |                                                                                                                  |
| WEL                                                                           | Short-term value: 1468 mg/m <sup>3</sup> , 400 ppm<br>Long-term value: 734 mg/m <sup>3</sup> , 200 ppm           |
| <b>CAS: 1330-20-7 xylene</b>                                                  |                                                                                                                  |
| WEL                                                                           | Short-term value: 441 mg/m <sup>3</sup> , 100 ppm<br>Long-term value: 220 mg/m <sup>3</sup> , 50 ppm<br>Sk; BMGV |
| <b>CAS: 108-10-1 4-methylpentan-2-one</b>                                     |                                                                                                                  |
| WEL                                                                           | Short-term value: 416 mg/m <sup>3</sup> , 100 ppm<br>Long-term value: 208 mg/m <sup>3</sup> , 50 ppm<br>Sk, BMGV |
| <b>CAS: 107-98-2 1-methoxy-2-propanol</b>                                     |                                                                                                                  |
| WEL                                                                           | Short-term value: 560 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 375 mg/m <sup>3</sup> , 100 ppm<br>Sk      |
| <b>CAS: 108-65-6 2-methoxy-1-methylethyl acetate</b>                          |                                                                                                                  |
| WEL                                                                           | Short-term value: 548 mg/m <sup>3</sup> , 100 ppm<br>Long-term value: 274 mg/m <sup>3</sup> , 50 ppm<br>Sk       |
| <b>CAS: 28553-12-0 diisononyl phthalate</b>                                   |                                                                                                                  |
| WEL                                                                           | Long-term value: 5 mg/m <sup>3</sup>                                                                             |
| <b>CAS: 100-41-4 ethylbenzene</b>                                             |                                                                                                                  |
| WEL                                                                           | Short-term value: 552 mg/m <sup>3</sup> , 125 ppm<br>Long-term value: 441 mg/m <sup>3</sup> , 100 ppm<br>Sk      |
| <b>CAS: 67-63-0 propan-2-ol</b>                                               |                                                                                                                  |
| WEL                                                                           | Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm<br>Long-term value: 999 mg/m <sup>3</sup> , 400 ppm           |
| <b>CAS: 80-62-6 methyl methacrylate</b>                                       |                                                                                                                  |
| WEL                                                                           | Short-term value: 416 mg/m <sup>3</sup> , 100 ppm<br>Long-term value: 208 mg/m <sup>3</sup> , 50 ppm             |
| <b>CAS: 71-36-3 n-butanol</b>                                                 |                                                                                                                  |
| WEL                                                                           | Short-term value: 154 mg/m <sup>3</sup> , 50 ppm<br>Sk                                                           |
| <b>CAS: 108-65-6 2-methoxy-1-methylethyl acetate</b>                          |                                                                                                                  |
| WEL                                                                           | Short-term value: 548 mg/m <sup>3</sup> , 100 ppm<br>Long-term value: 274 mg/m <sup>3</sup> , 50 ppm<br>Sk       |

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|                                                  |                                                                                                          |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>CAS: 108-31-6 maleic anhydride</b>            |                                                                                                          |
| WEL                                              | Short-term value: 3 mg/m <sup>3</sup><br>Long-term value: 1 mg/m <sup>3</sup><br>Sen                     |
| <b>Ingredients with biological limit values:</b> |                                                                                                          |
| <b>CAS: 1330-20-7 xylene</b>                     |                                                                                                          |
| BMGV                                             | 650 mmol/mol creatinine<br>Medium: urine<br>Sampling time: post shift<br>Parameter: methyl hippuric acid |
| <b>CAS: 108-10-1 4-methylpentan-2-one</b>        |                                                                                                          |
| BMGV                                             | 20 µmol/L<br>Medium: urine<br>Sampling time: post shift<br>Parameter: 4-methylpentan-2-one               |

**Additional information:** The lists that were valid during compilation were used as a basis.

### 8.2 Exposure controls

**Appropriate engineering controls** Use only in well-ventilated areas.

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures**

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Keep away from food, beverages and animal feed.

Immediately remove soiled, saturated clothing.

Wash hands before pauses and after work.

Avoid contact with eyes and skin.

The following indication regarding the personal protective equipment are to be considered as suggestions. The selection of the necessary personal protective equipment is to be evaluated by the employer depending on the types of operations and the local circumstances. If a risk assessment on-site shows that there is no risk for employees, the personal protective equipment is not required or the amount of the PPE can be adapted accordingly.

**Respiratory equipment:**

In case of a risk of inhaling, wear half-mask with combination filter for organic vapours and particles.

Short term filter device:

Filter AX/P2

**Hand protection**

Solvent resistant gloves

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

Nitrile rubber, NBR

Butyl rubber, BR

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 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.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection** Tightly sealed safety glasses.

**Body protection:** Protective work clothing.

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## \* SECTION 9: Physical and chemical properties

|                                                                                      |                                                                                                      |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>9.1 Information on basic physical and chemical properties</b>                     |                                                                                                      |
| <b>General Information</b>                                                           |                                                                                                      |
| <b>Physical state</b>                                                                | Fluid                                                                                                |
| <b>Colour:</b>                                                                       | Whitish                                                                                              |
| <b>Odour:</b>                                                                        | Characteristic                                                                                       |
| <b>Odour threshold:</b>                                                              | Not determined.                                                                                      |
| <b>Melting point/freezing point:</b>                                                 | Not determined                                                                                       |
| <b>Boiling point or initial boiling point and boiling range</b>                      | >35 °C                                                                                               |
| <b>Flammability</b>                                                                  | Highly flammable.                                                                                    |
| <b>Lower and upper explosion limit</b>                                               |                                                                                                      |
| <b>Lower:</b>                                                                        | 1.1 Vol % (CAS: 1330-20-7 xylene)                                                                    |
| <b>Upper:</b>                                                                        | 11.5 Vol % (CAS: 141-78-6 ethyl acetate)                                                             |
| <b>Flash point:</b>                                                                  | <21 °C                                                                                               |
| <b>Ignition temperature:</b>                                                         | not applicable                                                                                       |
| <b>Decomposition temperature:</b>                                                    | Not determined.                                                                                      |
| <b>pH</b>                                                                            | Not determined.                                                                                      |
| <b>Viscosity:</b>                                                                    |                                                                                                      |
| <b>Kinematic viscosity at 20 °C</b>                                                  | 85 s (DIN 53211/4)                                                                                   |
| <b>dynamic:</b>                                                                      | Not determined.                                                                                      |
| <b>Solubility</b>                                                                    |                                                                                                      |
| <b>Water:</b>                                                                        | Not miscible or difficult to mix                                                                     |
| <b>Partition coefficient n-octanol/water (log value)</b>                             | Not determined.                                                                                      |
| <b>Vapour pressure at 20 °C:</b>                                                     | 100 hPa (CAS: 141-78-6 ethyl acetate)                                                                |
| <b>Density and/or relative density</b>                                               |                                                                                                      |
| <b>Density at 20 °C:</b>                                                             | 0.927 g/cm <sup>3</sup>                                                                              |
| <b>Relative density</b>                                                              | Not determined.                                                                                      |
| <b>Vapour density</b>                                                                | Not determined.                                                                                      |
| <b>9.2 Other information</b>                                                         |                                                                                                      |
| <b>Appearance:</b>                                                                   |                                                                                                      |
| <b>Form:</b>                                                                         | Fluid                                                                                                |
| <b>Important information on protection of health and environment, and on safety.</b> |                                                                                                      |
| <b>Explosive properties:</b>                                                         | Product is not explosive. However, formation of dangerous explosive vapour/air mixtures is possible. |
| <b>Solvent separation test</b>                                                       | < 3 %                                                                                                |
| <b>Organic solvents:</b>                                                             | ca. 75 %                                                                                             |
| <b>VOC EU</b>                                                                        |                                                                                                      |
| <b>Solid content:</b>                                                                | 23.7 %                                                                                               |
| <b>Change in condition</b>                                                           |                                                                                                      |
| <b>Evaporation rate</b>                                                              | Not determined.                                                                                      |
| <b>Information with regard to physical hazard classes</b>                            |                                                                                                      |
| <b>Explosives</b>                                                                    | Void                                                                                                 |
| <b>Flammable gases</b>                                                               | Void                                                                                                 |
| <b>Aerosols</b>                                                                      | Void                                                                                                 |
| <b>Oxidising gases</b>                                                               | Void                                                                                                 |
| <b>Gases under pressure</b>                                                          | Void                                                                                                 |
| <b>Flammable liquids</b>                                                             | Highly flammable liquid and vapour.                                                                  |
| <b>Flammable solids</b>                                                              | Void                                                                                                 |
| <b>Self-reactive substances and mixtures</b>                                         | Void                                                                                                 |
| <b>Pyrophoric liquids</b>                                                            | Void                                                                                                 |
| <b>Pyrophoric solids</b>                                                             | Void                                                                                                 |
| <b>Self-heating substances and mixtures</b>                                          | Void                                                                                                 |
| <b>Substances and mixtures, which emit flammable gases in contact with water</b>     | Void                                                                                                 |

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|                                |      |
|--------------------------------|------|
| <b>Oxidising liquids</b>       | Void |
| <b>Oxidising solids</b>        | Void |
| <b>Organic peroxides</b>       | Void |
| <b>Corrosive to metals</b>     | Void |
| <b>Desensitised explosives</b> | 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 handled and stored 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 that are relevant for classification:**

**CAS: 123-86-4 n-butyl acetate**

|      |      |                    |
|------|------|--------------------|
| Oral | LD50 | 14,000 mg/kg (rat) |
|------|------|--------------------|

|            |          |                |
|------------|----------|----------------|
| Inhalative | LC50/4 h | >21 mg/l (rat) |
|------------|----------|----------------|

**CAS: 141-78-6 ethyl acetate**

|      |      |                      |
|------|------|----------------------|
| Oral | LD50 | 4,935 mg/kg (rabbit) |
|------|------|----------------------|

|            |          |                  |
|------------|----------|------------------|
| Inhalative | LC50/4 h | 1,600 mg/l (rat) |
|------------|----------|------------------|

**CAS: 1330-20-7 xylene**

|      |      |                   |
|------|------|-------------------|
| Oral | LD50 | 8,700 mg/kg (rat) |
|------|------|-------------------|

|        |      |                      |
|--------|------|----------------------|
| Dermal | LD50 | 2,000 mg/kg (rabbit) |
|--------|------|----------------------|

|            |          |                  |
|------------|----------|------------------|
| Inhalative | LC50/4 h | 6,350 mg/l (rat) |
|------------|----------|------------------|

**Skin corrosion/irritation:** Causes skin irritation.

**Serious eye damage/irritation:** Causes serious eye irritation.

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

**Additional toxicological information:**

Inhalation of solvent constituents above the TLV-limit value may lead to health damage such as irritation of mucous membranes and respiratory organs as well as impairment of the central nervous system.

Solvent splashes may have an irritating effect on eyes and cause reversible damage.

Prolonged or repeated contact with the product impairs natural oiling of the skin and leads to dry skin.

The product can be absorbed by the body through the skin.

**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.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

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**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**

**Remark:** Harmful to fish

**Additional ecological information:**

**General notes:**

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

Hazardous to drinking water even if small quantities leak into soil.

Harmful to aquatic organisms

### SECTION 13: Disposal considerations

**Recommendation**

Liquid material remains are to be disposed of at collection facilities for old varnishes.

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

Do not dispose of together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue**

|           |                                                                                                |
|-----------|------------------------------------------------------------------------------------------------|
| 08 01 17* | wastes from paint or varnish removal containing organic solvents or other hazardous substances |
|-----------|------------------------------------------------------------------------------------------------|



**Uncleaned packaging:**

**Recommendation:**

Disposal must be made according to official regulations.

Packaging can be reused or recycled after cleaning.

### SECTION 14: Transport information

|                                                                                     |                           |
|-------------------------------------------------------------------------------------|---------------------------|
| <b>14.1 UN number or ID number</b>                                                  |                           |
| <b>ADR, IMDG, IATA</b>                                                              | UN1263                    |
| <b>14.2 UN proper shipping name</b>                                                 |                           |
| <b>ADR</b>                                                                          | 1263 PAINT                |
| <b>IMDG, IATA</b>                                                                   | PAINT                     |
| <b>14.3 Transport hazard class(es)</b>                                              |                           |
| <b>ADR</b>                                                                          |                           |
|  |                           |
| <b>Class</b>                                                                        | 3 (F1) Flammable liquids. |
| <b>Label</b>                                                                        | 3                         |
| <b>IMDG, IATA</b>                                                                   |                           |
|  |                           |
| <b>Class</b>                                                                        | 3 Flammable liquids.      |
| <b>Label</b>                                                                        | 3                         |
| <b>14.4 Packing group</b>                                                           |                           |
| <b>ADR, IMDG, IATA</b>                                                              | II                        |
| <b>14.5 Environmental hazards:</b>                                                  |                           |
| <b>Marine pollutant:</b>                                                            | -<br>No                   |

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|                                                                        |                                                                                                                  |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>14.6 Special precautions for user hazard identification number:</b> | Warning: Flammable liquids.<br>33                                                                                |
| <b>EMS Number:</b>                                                     | F-E, <u>S-E</u>                                                                                                  |
| <b>Stowage Category</b>                                                | B                                                                                                                |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b>    | Not applicable.                                                                                                  |
| <b>Transport/Additional information:</b>                               |                                                                                                                  |
| <b>ADR</b>                                                             |                                                                                                                  |
| <b>Limited quantities (LQ)</b>                                         | 5L                                                                                                               |
| <b>Excepted quantities (EQ)</b>                                        | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml  |
| <b>Transport category</b>                                              | 2                                                                                                                |
| <b>Tunnel restriction code</b>                                         | D/E                                                                                                              |
| <b>Remarks:</b>                                                        | TREM-Card No. 32                                                                                                 |
| <b>IMDG</b>                                                            |                                                                                                                  |
| <b>Limited quantities (LQ)</b>                                         | 5L                                                                                                               |
| <b>Excepted quantities (EQ)</b>                                        | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| <b>UN "Model Regulation":</b>                                          | UN 1263 PAINT, 3, II                                                                                             |

## \* SECTION 15: Regulatory information

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

#### Directive 2012/18/EU

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**Seveso category** P5c FLAMMABLE LIQUIDS

**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, 52a

#### 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.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. Delivery specifications are found in the respective Technical Information Sheets.

### Relevant phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.

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- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH071 Corrosive to the respiratory tract.

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

**Department issuing data specification sheet:** Product Safety department / EHS

**Date of previous version:** 24.06.2020

**Version number of previous version:** 4

#### **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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

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

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

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

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

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

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3