According to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: SDS-27625-2
Issue date: 6/27/2025 Version: 1.0

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

| | | |
|---|---|---|
| Product form | : | Mixture |
| Trade name | : | VELURA DLP280 WILKOTAN Component B (Hardener) |
| Product group | : | Trade product |

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

**Relevant identified uses**

| | | |
|---|---|---|
| Main use category | : | Industrial use,Professional use |
| Use of the substance/mixture | : | Hardener for coatings. For professional users/industrial user only. |

**Uses advised against**

| | | |
|---|---|---|
| Restrictions on use | : | All uses not specified in this section or in section 7.3 |

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

Supplier
Vilckens Boyaları San. Tic. Ltd.
Postane Mahallesi Esentepe Caddesi
Manastır Yolu No:21
34940 Tuzla / İstanbul
Türkiye
T 0212 356 93 56, F 0212 356 95 00

### 1.4. Emergency telephone number

No additional information available

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

| | |
|---|---|
| Flammable liquids, Category 2 | H225 |
| Serious eye damage/eye irritation, Category 2 | H319 |
| Respiratory sensitisation, Category 1 | H334 |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis | H336 |

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

**Adverse physicochemical, human health and environmental effects**

Highly flammable liquid and vapour. May cause drowsiness or dizziness. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :

GHS02 GHS07 GHS08

| | | |
|---|---|---|
| Signal word (CLP) | : | Danger |
| Contains | : | Ethyl acetate; Toluene Diisocyanate |
| Hazard statements (CLP) | : | H225 - Highly flammable liquid and vapour.<br>H319 - Causes serious eye irritation.<br>H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.<br>H336 - May cause drowsiness or dizziness. |

| | | |
|---|---|---|
| Precautionary statements (CLP) | : | P210 - Keep away from heat, hot surfaces, open flames, other ignition sources, sparks. – No smoking.<br>P280 - Wear protective gloves, protective clothing/eye protection/face protection.<br>P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.<br>P370+P378 - In case of fire: Use ABC-powder for extinction.<br>P403+P233 - Store in a well-ventilated place. Keep container tightly closed.<br>P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| EUH-statements | : | EUH066 - Repeated exposure may cause skin dryness or cracking.<br>EUH204 - Contains isocyanates. May produce an allergic reaction. |

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Comments : Chemical description: Miscellaneous products

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Ethyl acetate | CAS-No.: 141-78-6<br>EC-No.: 205-500-4<br>EC Index-No.: 607-022-00-5 | 10 – 25 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066 |
| 2-methoxy-1-methylethyl acetate | CAS-No.: 108-65-6<br>EC-No.: 203-603-9<br>EC Index-No.: 607-195-00-7 | 10 – 25 | Flam. Liq. 3, H226 |
| Toluene Diisocyanate<br>(Note C) | CAS-No.: 26471-62-5<br>EC-No.: 247-722-4<br>EC Index-No.: 615-006-00-4 | < 1 | Acute Tox. 2 (Inhalation), H330 (ATE=0.5 mg/l/4h)<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>Carc. 2, H351<br>STOT SE 3, H335<br>Aquatic Chronic 3, H412 |

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

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

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

| | | |
|---|---|---|
| First-aid measures general | : | In all cases of doubt, or when symptoms persist, seek medical attention. Call a poison center or a doctor if you feel unwell. |
| First-aid measures after inhalation | : | Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. |

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Never give anything by mouth to an unconscious person. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : May cause drowsiness or dizziness.
Symptoms/effects after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

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

Fire hazard : Contact with combustible material may cause fire. Highly flammable liquid and vapour.
Explosion hazard : Risk of explosion if heated under confinement.
Hazardous decomposition products in case of fire : On heating or during combustion : Toxic fumes may be released.

### 5.3. Advice for firefighters

Precautionary measures fire : Keep away from combustible materials. Keep container closed when not in use. Approach from upwind.
Firefighting instructions : Exercise caution when fighting any chemical fire. Keep upwind. Do not enter fire area without proper protective equipment, including respiratory protection. Eliminate all ignition sources if safe to do so. Contain the extinguishing fluids by bunding.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information : Do not allow run-off from fire fighting to enter drains or water courses. Notify authorities if product enters sewers or public waters. High temperature decomposition products are harmful by inhalation. Inhalation of vapour can cause breathing difficulties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

General measures : Keep public away from danger area.

#### For non-emergency personnel

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Ventilate spillage area. Do not touch or walk on the spilled product. Notify fire brigade and environmental authorities. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

#### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Stop leak if safe to do so. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

| | | |
|---|---|---|
| For containment | : | Do not touch or walk on the spilled product. |
| Methods for cleaning up | : | Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Notify authorities if product enters sewers or public waters. |
| Other information | : | Dispose of materials or solid residues at an authorized site. |

### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

| | | |
|---|---|---|
| Precautions for safe handling | : | Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. |
| Hygiene measures | : | Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

### 7.2. Conditions for safe storage, including any incompatibilities

| | | |
|---|---|---|
| Technical measures | : | Ground/bond container and receiving equipment. |
| Storage conditions | : | Keep only in the original container in a cool well ventilated place. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. |
| Incompatible products | : | Strong acids. Strong bases. Strong oxidizing agents. |
| Incompatible materials | : | Extremely high or low temperatures. |
| Maximum storage period | : | 6 months |
| Storage temperature | : | 5 – 30 °C |
| Heat and ignition sources | : | Keep away from heat and direct sunlight. Keep away from sources of ignition. |
| Information on mixed storage | : | Keep away from food, drink and animal feeding stuffs. |
| Storage area | : | Store, if possible, in a cool, well ventilated place away from incompatible materials. |

**Germany**

| | | |
|---|---|---|
| Storage class (LGK, TRGS 510) | : | LGK 3 - Flammable liquids |
| Joint storage table | : | |

| | | | | |
|---|---|---|---|---|
| LGK 1 | LGK 2A | LGK 2B | LGK 3 | LGK 4.1A |
| LGK 4.1B | LGK 4.2 | LGK 4.3 | LGK 5.1A | LGK 5.1B |
| LGK 5.1C | LGK 5.2 | LGK 6.1A | LGK 6.1B | LGK 6.1C |
| LGK 6.1D | LGK 6.2 | LGK 7 | LGK 8A | LGK 8B |
| LGK 10 | LGK 11 | LGK 12 | LGK 13 | LGK 10-13 |

| | | |
|---|---|---|
| Joint storage not permitted for | : | LGK 1, LGK 2A, LGK 4.1A, LGK 4.1B, LGK 4.2, LGK 4.3, LGK 5.1A, LGK 5.1C, LGK 5.2, LGK 6.1B, LGK 6.2, LGK 7 |
| Joint storage with restrictions permitted for | : | LGK 5.1B, LGK 6.1D, LGK 11, LGK 10-13 |
| Joint storage permitted for | : | LGK 2B, LGK 3, LGK 6.1A, LGK 6.1C, LGK 8A, LGK 8B, LGK 10, LGK 12, LGK 13 |

### 7.3. Specific end use(s)

See Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

DNEL and PNEC

| **Ethyl acetate (141-78-6)** | |
|---|---|
| **DNEL/DMEL (Workers)** | |
| Acute - systemic effects, inhalation | 1468 mg/m³ |
| Acute - local effects, inhalation | 1468 mg/m³ |
| Long-term - systemic effects, dermal | 63 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 734 mg/m³ |
| Long-term - local effects, inhalation | 734 mg/m³ |
| **DNEL/DMEL (General population)** | |
| Acute - systemic effects, inhalation | 734 mg/m³ |
| Acute - local effects, inhalation | 734 mg/m³ |
| Long-term - systemic effects,oral | 4.5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 367 mg/m³ |
| Long-term - systemic effects, dermal | 37 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 367 mg/m³ |
| **PNEC (Water)** | |
| PNEC aqua (freshwater) | 0.24 mg/l |
| PNEC aqua (marine water) | 0.024 mg/l |
| PNEC aqua (intermittent, freshwater) | 1.65 mg/l |
| **PNEC (Sediment)** | |
| PNEC sediment (freshwater) | 1.15 mg/kg dwt |
| PNEC sediment (marine water) | 0.115 mg/kg dwt |
| **PNEC (Soil)** | |
| PNEC soil | 0.148 mg/kg dwt |
| **PNEC (Oral)** | |
| PNEC oral (secondary poisoning) | 0.2 g/kg food |
| **PNEC (STP)** | |
| PNEC sewage treatment plant | 650 mg/l |

| **2-methoxy-1-methylethyl acetate (108-65-6)** | |
|---|---|
| **DNEL/DMEL (Workers)** | |
| Acute - local effects, inhalation | 550 mg/m³ |
| Long-term - systemic effects, dermal | 796 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 275 mg/m³ |
| **DNEL/DMEL (General population)** | |
| Acute - systemic effects, oral | 500 mg/kg bodyweight/day |
| Long-term - systemic effects,oral | 36 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 33 mg/m³ |
| Long-term - systemic effects, dermal | 320 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 33 mg/m³ |

| 2-methoxy-1-methylethyl acetate (108-65-6) | |
|---|---|
| **PNEC (Water)** | |
| PNEC aqua (freshwater) | 0.635 mg/l |
| PNEC aqua (marine water) | 0.0635 mg/l |
| PNEC aqua (intermittent, freshwater) | 6.35 mg/l |
| **PNEC (Sediment)** | |
| PNEC sediment (freshwater) | 3.29 mg/kg dwt |
| PNEC sediment (marine water) | 0.329 mg/kg dwt |
| **PNEC (Soil)** | |
| PNEC soil | 0.29 mg/kg dwt |
| **PNEC (STP)** | |
| PNEC sewage treatment plant | 100 mg/l |

| Toluene Diisocyanate (26471-62-5) | |
|---|---|
| **DNEL/DMEL (Workers)** | |
| Acute - systemic effects, inhalation | 0.14 mg/m$^3$ |
| Acute - local effects, inhalation | 0.14 mg/m$^3$ |
| Long-term - systemic effects, inhalation | 0.035 mg/m$^3$ |
| Long-term - local effects, inhalation | 0.035 mg/m$^3$ |
| **PNEC (Water)** | |
| PNEC aqua (freshwater) | 0.0125 mg/l |
| PNEC aqua (marine water) | 0.00125 mg/l |
| PNEC aqua (intermittent, freshwater) | 0.125 mg/l |
| **PNEC (Soil)** | |
| PNEC soil | 1 mg/kg dwt |
| **PNEC (STP)** | |
| PNEC sewage treatment plant | 1 mg/l |

### 8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:
Wear respiratory protection. Wear protective gloves. Face shield. Protective clothing. Use footwear with anti-static or anti-spark features.

Personal protective equipment symbol(s):

**Eye and face protection**

Eye protection:
Safety glasses. Use splash goggles when eye contact due to splashing is possible

| Eye protection | | | |
|---|---|---|---|
| Type | Field of application | Characteristics | Standard |
| Mandatory face protection | Face shield | | EN 166, EN 167, EN 168, EN ISO 4007 |

**Skin protection**

Skin and body protection:
According to the conditions of use, protective gloves, apron, boots, head and face protection must be worn

| Skin and body protection | |
|---|---|
| Type | Standard |
| Mandatory complete body protection | EN 1149-1, EN 1149-2, EN 1149-3, EN 13034, EN ISO 13982, EN ISO 6529, EN ISO 6530, EN ISO 13688, EN 464 |
| Mandatory foot protection | EN ISO 13287, EN ISO 20345, EN 13832 |

Hand protection:
Protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The breakthrough time of the selected gloves must be greater than the intended use period. Gloves must be replaced after each use and whenever signs of wear or perforation appear

| Hand protection | | | | | |
|---|---|---|---|---|---|
| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
| Protective gloves | Linear low-density polyethylene (LLDPE) | 6 (> 480 minutes) | 0,062 | | EN ISO 21420 |

**Respiratory protection**

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. [In case of inadequate ventilation] wear respiratory protection.

| Respiratory protection | | | |
|---|---|---|---|
| Device | Filter type | Condition | Standard |
| Mandatory respiratory tract protection | Filter mask for gases and vapours | | EN 405 |

Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Colour | : | According to product specification |
| Molecular mass | : | 105.92 g/mol |
| Odour | : | According to product specification |
| Odour threshold | : | Not available |
| Melting point | : | Not applicable |

| | | |
|---|---|---|
| Freezing point | : | Not available |
| Boiling point | : | 96 °C |
| Flammability | : | Highly flammable liquid and vapour |
| Lower explosion limit | : | Not available |
| Upper explosion limit | : | Not available |
| Flash point | : | 11 °C |
| Auto-ignition temperature | : | 315 °C |
| Decomposition temperature | : | Not available |
| pH | : | Not available |
| Viscosity, kinematic | : | 1.72 $mm^2/s$ @20°C |
| Viscosity, dynamic | : | 1.59 cP @20°C |
| Solubility | : | Not available |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Vapour pressure | : | 6972 Pa @20°C |
| Vapour pressure at 50°C | : | 26768.11 Pa (26,77 kPa) |
| Density | : | 923 $kg/m^3$ @20°C (ASTM D 2879-86) |
| Relative density | : | 0.923 @20°C |
| Relative vapour density at 20°C | : | Not available |
| Particle characteristics | : | Not applicable |

### 9.2. Other information

**Other safety characteristics**

| | | |
|---|---|---|
| VOC content | : | 34.64 % |
| V.O.C. density at 20 °C | : | 319,73 $kg/m^3$ (319,73 g/L) |
| Average carbon number | : | 4,81 |

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Highly flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Increase in temperature: Risk of combustion. Sunlight: Avoid direct impact.

### 10.5. Incompatible materials

Avoid strong acids, alkalis or strong bases and direct impact oxidising materials.

### 10.6. Hazardous decomposition products

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

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

| | | |
|---|---|---|
| Acute toxicity (oral) | : | Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal) | : | Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation) | : | Not classified (Based on available data, the classification criteria are not met) |

| **Ethyl acetate (141-78-6)** | |
|---|---|
| LD50 oral | 4934 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rabbit | > 20000 mg/kg bodyweight Animal: rabbit, Animal sex: male |

| 2-methoxy-1-methylethyl acetate (108-65-6) | |
|---|---|
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| Toluene Diisocyanate (26471-62-5) | |
|---|---|
| LD50 dermal rabbit | > 9400 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : May cause drowsiness or dizziness.

| Ethyl acetate (141-78-6) | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

| Toluene Diisocyanate (26471-62-5) | |
|---|---|
| STOT-single exposure | May cause respiratory irritation. |

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

| Ethyl acetate (141-78-6) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 3600 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test) |
| NOAEL (oral, rat, 90 days) | 900 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test) |

| 2-methoxy-1-methylethyl acetate (108-65-6) | |
|---|---|
| NOAEL (dermal, rat/rabbit, 90 days) | > 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study) |

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

| VELURA DLP280 WILKOTAN Component B (Hardener) | |
|---|---|
| Viscosity, kinematic | 1.72 $mm^2/s$ @20°C |

| Toluene Diisocyanate (26471-62-5) | |
|---|---|
| Viscosity, kinematic | 2.221 $mm^2/s$ Temp.: '20°C' Parameter: 'kinematic viscosity (in $mm^2/s$)' |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short–term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long–term (chronic) : Not classified (Based on available data, the classification criteria are not met)

| Ethyl acetate (141-78-6) | |
|---|---|
| LC50 - Fish [1] | 230 mg/l Test organisms (species): Pimephales promelas |
| NOEC (chronic) | 2.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

| 2-methoxy-1-methylethyl acetate (108-65-6) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l Test organisms (species): Oryzias latipes |
| EC50 - Crustacea [1] | > 500 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | > 1000 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| NOEC (chronic) | ≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish | 47.5 mg/l Test organisms (species): Oryzias latipes Duration: '14 d' |

| Toluene Diisocyanate (26471-62-5) | |
|---|---|
| LC50 - Fish [1] | 133 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | 12.5 mg/l Test organisms (species): Daphnia magna |
| EC50 - Other aquatic organisms [1] | 18.3 mg/l Test organisms (species): Americamysis bahia (previous name: Mysidopsis bahia) |
| EC50 96h - Algae [1] | 3230 mg/l Test organisms (species): Skeletonema costatum |
| EC50 96h - Algae [2] | 4300 mg/l Test organisms (species): Chlorella vulgaris |
| LOEC (chronic) | 2.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 1.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

### 12.2. Persistence and degradability

| VELURA DLP280 WILKOTAN Component B (Hardener) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| Ethyl acetate (141-78-6) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| 2-methoxy-1-methylethyl acetate (108-65-6) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| Toluene Diisocyanate (26471-62-5) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

| | | |
|---|---|---|
| Regional waste regulation | : | Disposal must be done according to official regulations. |
| Waste treatment methods | : | Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : | Completely empty the packaging prior to decontamination. Recycle the material as far as possible. Comply with local regulations for disposal. |
| Additional information | : | Flammable vapours may accumulate in the container. |
| Ecological waste information | : | Avoid release to the environment. |
| European List of Waste (LoW, EC 2000/532) | : | 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances |

## SECTION 14: TRANSPORT INFORMATION

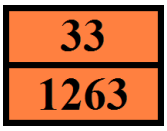
In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.1. UN number or ID number** | | | | |
| UN 1263 | UN 1263 | UN 1263 | UN 1263 | UN 1263 |
| **14.2. UN proper shipping name** | | | | |
| PAINT RELATED MATERIAL | PAINT RELATED MATERIAL | Paint related material | PAINT RELATED MATERIAL | PAINT RELATED MATERIAL |
| **Transport document description** | | | | |
| UN 1263 PAINT RELATED MATERIAL, 3, II, (D/E) | UN 1263 PAINT RELATED MATERIAL, 3, II | UN 1263 Paint related material, 3, II | UN 1263 PAINT RELATED MATERIAL, 3, II | UN 1263 PAINT RELATED MATERIAL, 3, II |
| **14.3. Transport hazard class(es)** | | | | |
| 3 | 3 | 3 | 3 | 3 |
|  |  |  |  |  |
| **14.4. Packing group** | | | | |
| II | II | II | II | II |
| **14.5. Environmental hazards** | | | | |
| Dangerous for the environment: No | Dangerous for the environment: No<br>Marine pollutant: No<br>EmS-No. (Fire): F-E<br>EmS-No. (Spillage): S-E | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available | | | | |

### 14.6. Special precautions for user

**Overland transport**

| | | |
|---|---|---|
| Classification code (ADR) | : | F1 |
| Special provisions (ADR) | : | 163, 367, 640C, 650 |
| Limited quantities (ADR) | : | 5l |
| Excepted quantities (ADR) | : | E2 |

| | | |
|---|---|---|
| Packing instructions (ADR) | : | P001 |
| Special packing provisions (ADR) | : | PP1 |
| Mixed packing provisions (ADR) | : | MP19 |
| Portable tank and bulk container instructions (ADR) | : | T4 |
| Portable tank and bulk container special provisions (ADR) | : | TP1, TP8, TP28 |
| Tank code (ADR) | : | L1.5BN |
| Vehicle for tank carriage | : | FL |
| Transport category (ADR) | : | 2 |
| Special provisions for carriage - Operation (ADR) | : | S2, S20 |
| Hazard identification number (Kemler No.) | : | 33 |
| Orange plates | : |  |
| Tunnel restriction code (ADR) | : | D/E |

**Transport by sea**

| | | |
|---|---|---|
| Special provisions (IMDG) | : | 163, 367 |
| Limited quantities (IMDG) | : | 5 L |
| Excepted quantities (IMDG) | : | E2 |
| Packing instructions (IMDG) | : | P001 |
| Special packing provisions (IMDG) | : | PP1 |
| IBC packing instructions (IMDG) | : | IBC02 |
| Tank instructions (IMDG) | : | T4 |
| Tank special provisions (IMDG) | : | TP1, TP8, TP28 |
| Stowage category (IMDG) | : | B |
| Properties and observations (IMDG) | : | Miscibility with water depends upon the composition. |

**Air transport**

| | | |
|---|---|---|
| PCA Excepted quantities (IATA) | : | E2 |
| PCA Limited quantities (IATA) | : | Y341 |
| PCA limited quantity max net quantity (IATA) | : | 1L |
| PCA packing instructions (IATA) | : | 353 |
| PCA max net quantity (IATA) | : | 5L |
| CAO packing instructions (IATA) | : | 364 |
| CAO max net quantity (IATA) | : | 60L |
| Special provisions (IATA) | : | A3, A72, A192 |
| ERG code (IATA) | : | 3L |

**Inland waterway transport**

| | | |
|---|---|---|
| Classification code (ADN) | : | F1 |
| Special provisions (ADN) | : | 163, 367, 640C, 650 |
| Limited quantities (ADN) | : | 5 L |
| Excepted quantities (ADN) | : | E2 |
| Equipment required (ADN) | : | PP, EX, A |
| Ventilation (ADN) | : | VE01 |
| Number of blue cones/lights (ADN) | : | 1 |

**Rail transport**

| | | |
|---|---|---|
| Classification code (RID) | : | F1 |
| Special provisions (RID) | : | 163, 367, 640C, 650 |
| Limited quantities (RID) | : | 5L |
| Excepted quantities (RID) | : | E2 |
| Packing instructions (RID) | : | P001 |
| Special packing provisions (RID) | : | PP1 |
| Mixed packing provisions (RID) | : | MP19 |
| Portable tank and bulk container instructions (RID) | : | T4 |
| Portable tank and bulk container special provisions (RID) | : | TP1, TP8, TP28 |

| | | |
|---|---|---|
| Tank codes for RID tanks (RID) | : | L1.5BN |
| Transport category (RID) | : | 2 |
| Colis express (express parcels) (RID) | : | CE7 |
| Hazard identification number (RID) | : | 33 |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: REGULATORY INFORMATION

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

EU-Regulations

**REACH Annex XVII (Restriction List)**

| EU restriction list (REACH Annex XVII) | | |
|---|---|---|
| **Reference code** | **Applicable on** | **Entry title or description** |
| 74. | Toluene Diisocyanate | Diisocyanates, O = C=N-R-N = C=O, with R an aliphatic or aromatic hydrocarbon unit of unspecified length |

**REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

**REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

**PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

**POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

**Ozone Regulation (2024/590)**

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

**Council Regulation (EC) for the control of dual-use items**

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

**VOC Directive (2004/42)**

VOC content : 34.64 %

**Explosives Precursors Regulation (EU 2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

**Drug Precursors Regulation (EC 273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

National regulations

**Germany**

| | | |
|---|---|---|
| Employment restrictions | : | Observe restrictions according Act on the Protection of Working Mothers (MuSchG). Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG). |
| Water hazard class (WGK) | : | WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1). |
| Major Accidents Ordinance (12. BImSchV) | : | Is not subject to the Major Accidents Ordinance (12. BImSchV) |
| VOC content | : | 34.64 % |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: OTHER INFORMATION

| Abbreviations and acronyms: | |
|---|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| IOELV | Indicative Occupational Exposure Limit Value |
| Pow (log) | n-octanol/water partition coefficient |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| WGK | Water Hazard Class |

Data sources : Classification according to Regulation (EC) No. 1272/2008 [CLP]. ECHA (European Chemicals Agency). Supplier's safety documents.

| **Full text of H- and EUH-statements:** | |
|---|---|
| Acute Tox. 2 (Inhalation) | Acute toxicity (inhal.), Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Carc. 2 | Carcinogenicity, Category 2 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Resp. Sens. 1 | Respiratory sensitisation, Category 1 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal 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. |
| H351 | Suspected of causing cancer. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| EUH204 | Contains isocyanates. May produce an allergic reaction. |

| **Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:** | | |
|---|---|---|
| Flam. Liq. 2 | H225 | On basis of test data |
| Eye Irrit. 2 | H319 | Calculation method |
| Resp. Sens. 1 | H334 | Calculation method |
| STOT SE 3 | H336 | Calculation method |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable