



# VT-120 / VT-125 Contact Adhesive

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 21/10/2020 Revision date: 18/11/2021 Supersedes version of: 30/07/2021 Version: 2.1

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : VT-120 / VT-125 Contact Adhesive  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Professional use, Consumer use  
Use of the substance/mixture : Adhesives

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

Vital Technical Sdn. Bhd.  
No.93, Jalan Industri 3/3 Rawang Integrated Industrial Park,  
48000 Rawang, Selangor, Malaysia.  
T +603 60942088 - F +603 60992930  
[sales@vitaltechnical.com](mailto:sales@vitaltechnical.com)

#### 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 |
| Skin corrosion/irritation, Category 2                                  | H315 |
| Serious eye damage/eye irritation, Category 2                          | H319 |
| Skin sensitisation, Category 1   | H317 |
| Reproductive toxicity, Category 2                                      | H361 |
| Specific target organ toxicity — Single exposure, Category 3, Narcosis | H336 |
| Specific target organ toxicity — Repeated exposure, Category 2         | H373 |
| Hazardous to the aquatic environment — Acute Hazard, Category 1        | H400 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 1      | H410 |

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

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

Highly flammable liquid and vapour. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



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|                                | GHS02  | GHS07 | GHS08 | GHS09 |
|--------------------------------|--|-------|-------|-------|
| Signal word (CLP)              | : Danger   |       |       |       |
| Contains                       | : P-TERT-BUTYLPHENOL-FORMALDEHYDE RESIN, rosin; colophony, butanone; ethyl methyl ketone, cyclohexane, NAPHTHA (PETROLEUM), HYDROTREATED LIGHT   |       |       |       |
| Hazard statements (CLP)        | : H225 - Highly flammable liquid and vapour.<br>H315 - Causes skin irritation.<br>H317 - May cause an allergic skin reaction.<br>H319 - Causes serious eye irritation.<br>H336 - May cause drowsiness or dizziness.<br>H361 - Suspected of damaging fertility. (inhalation).<br>H373 - May cause damage to organs (nervous system) through prolonged or repeated exposure (inhalation).<br>H410 - Very toxic to aquatic life with long lasting effects.                                    |       |       |       |
| Precautionary statements (CLP) | : P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.<br>No smoking.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.<br>P321 - Specific treatment (see supplemental first aid instruction on this label). |       |       |       |

Labelling according to: exemption for packages of a capacity of 125ml or less

Hazard pictograms (CLP)



|                                |  |  |  |  |
|--------------------------------|--|--|--|--|
| Signal word (CLP)              | : Danger   |  |  |  |
| Hazardous ingredients          | : P-TERT-BUTYLPHENOL-FORMALDEHYDE RESIN, rosin; colophony, butanone; ethyl methyl ketone, cyclohexane, NAPHTHA (PETROLEUM), HYDROTREATED LIGHT   |  |  |  |
| Hazard statements (CLP)        | : H317 - May cause an allergic skin reaction.<br>H336 - May cause drowsiness or dizziness.<br>H361 - Suspected of damaging fertility. (inhalation).<br>H373 - May cause damage to organs (nervous system) through prolonged or repeated exposure (inhalation).   |  |  |  |
| Precautionary statements (CLP) | : P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.<br>P321 - Specific treatment (see supplemental first aid instruction on this label). |  |  |  |

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---------|---|
| butanone; ethyl methyl ketone substance with a Community workplace exposure limit | CAS-No.: 78-93-3<br>EC-No.: 201-159-0<br>EC Index-No.: 606-002-00-3 | 10 – 30 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336     |

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| Name   | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--|---|---------|---|
| cyclohexane<br>substance with a Community workplace exposure limit                             | CAS-No.: 110-82-7<br>EC-No.: 203-806-2<br>EC Index-No.: 601-017-00-1  | 10 – 30 | Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410             |
| NAPHTHA (PETROLEUM), HYDROTREATED LIGHT<br>substance with a Community workplace exposure limit | CAS-No.: 64742-49-0   | 10 – 30 | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Repr. 2, H361f<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |
| P-TERT-BUTYLPHENOL-FORMALDEHYDE RESIN  | CAS-No.: 25085-50-1<br>EC-No.: 607-533-3                              | 1 – 10  | Skin Sens. 1, H317  |
| rosin; colophony   | CAS-No.: 8050-09-7<br>EC-No.: 232-475-7<br>EC Index-No.: 650-015-00-7 | 0.1 – 1 | Skin Sens. 1, H317  |
| zinc oxide   | CAS-No.: 1314-13-2<br>EC-No.: 215-222-5<br>EC Index-No.: 030-013-00-7 | 0.1 – 1 | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |

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            | : IF exposed or concerned: Get medical advice/attention.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.                                 |
| 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    | : 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 skin contact | : Irritation. May cause an allergic skin reaction. |
| 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   | : Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Water spray.                      |

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

|  |                                       |
|--|---------------------------------------|
| Fire hazard                                      | : Highly flammable liquid and vapour. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.        |

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### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

#### 6.1.2. 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".

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material. 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

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : 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. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.  
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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 : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

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| zinc oxide (1314-13-2)                                    |  |
|---|--|
| <b>Belgium - Occupational Exposure Limits</b>             |  |
| Limit value [mg/m <sup>3</sup> ]                          | ≈ 10 mg/m <sup>3</sup>                                   |
| <b>France - Occupational Exposure Limits</b>              |  |
| VME [mg/m <sup>3</sup> ]                                  | ≈ 10 mg/m <sup>3</sup>                                   |
| <b>Latvia - Occupational Exposure Limits</b>              |  |
| OEL TWA (mg/m <sup>3</sup> )                              | ≈ 0.5 mg/m <sup>3</sup>                                  |
| <b>Spain - Occupational Exposure Limits</b>               |  |
| VLA-ED (mg/m <sup>3</sup> )                               | ≈ 10 mg/m <sup>3</sup>                                   |
| <b>Sweden - Occupational Exposure Limits</b>              |  |
| Nivågränsvärde (NVG) (mg/m <sup>3</sup> )                 | ≈ 5 mg/m <sup>3</sup>                                    |
| <b>Switzerland - Occupational Exposure Limits</b>         |  |
| MAK (mg/m <sup>3</sup> )                                  | ≈ 3 mg/m <sup>3</sup>                                    |
| KZGW (mg/m <sup>3</sup> )                                 | ≈ 3 mg/m <sup>3</sup>                                    |
| <b>USA - ACGIH - Occupational Exposure Limits</b>         |  |
| Local name  | Zinc oxide   |
| ACGIH TWA (mg/m <sup>3</sup> )                            | 2 mg/m <sup>3</sup> (R - Respirable particulate matter)  |
| ACGIH STEL (mg/m <sup>3</sup> )                           | 10 mg/m <sup>3</sup> (R - Respirable particulate matter) |
| Remark (ACGIH)  | TLV® Basis: Metal fume fever                             |
| Regulatory reference                                      | ACGIH 2021   |
| <b>cyclohexane (110-82-7)</b>                             |  |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |  |
| Local name  | Cyclohexane  |
| IOELV TWA (mg/m <sup>3</sup> )                            | 700 mg/m <sup>3</sup>                                    |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2006/15/EC                          |
| <b>USA - ACGIH - Occupational Exposure Limits</b>         |  |
| Local name  | Cyclohexane  |
| ACGIH TWA (ppm)   | 100 ppm  |
| Remark (ACGIH)  | TLV® Basis: CNS impair                                   |
| Regulatory reference                                      | ACGIH 2021   |
| <b>butanone; ethyl methyl ketone (78-93-3)</b>            |  |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |  |
| Local name  | Butanone   |
| IOELV TWA (mg/m <sup>3</sup> )                            | 600 mg/m <sup>3</sup>                                    |
| IOELV STEL (mg/m <sup>3</sup> )                           | 900 mg/m <sup>3</sup>                                    |
| IOELV STEL (ppm)  | 300 ppm  |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2000/39/EC                          |
| <b>USA - ACGIH - Occupational Exposure Limits</b>         |  |
| Local name  | Methyl ethyl ketone (MEK)                                |

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| <b>butanone; ethyl methyl ketone (78-93-3)</b>              |  |
|---|--|
| ACGIH TWA (ppm)   | 200 ppm  |
| ACGIH STEL (ppm)  | 300 ppm  |
| Remark (ACGIH)  | TLV® Basis: URT irr; CNS & PNS impair. Notations: BEI  |
| Regulatory reference  | ACGIH 2021   |
| <b>USA - ACGIH - Biological Exposure Indices</b>            |  |
| Local name  | METHYL ETHYL KETONE  |
| Biological Exposure Indices (BEI)                           | 2 mg/l Parameter: Methyl ethyl ketone - Medium: urine - Sampling time: End of shift - Notations: Ns    |
| Regulatory reference  | ACGIH 2021   |
| <b>NAPHTHA (PETROLEUM), HYDROTREATED LIGHT (64742-49-0)</b> |  |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b>   |  |
| Local name  | Cyclohexane  |
| IOELV TWA (mg/m³)   | 700 mg/m³  |
| Regulatory reference  | COMMISSION DIRECTIVE 2006/15/EC  |
| <b>USA - ACGIH - Occupational Exposure Limits</b>           |  |
| Local name  | Cyclohexane  |
| ACGIH TWA (ppm)   | 100 ppm  |
| Remark (ACGIH)  | TLV® Basis: CNS impair   |
| Regulatory reference  | ACGIH 2021   |
| <b>USA - ACGIH - Biological Exposure Indices</b>            |  |
| Local name  | n-HEXANE   |
| Biological Exposure Indices (BEI)                           | 0.5 mg/l Parameter: 2,5-Hexanedione (without hydrolysis) - Medium: urine - Sampling time: End of shift |
| Regulatory reference  | ACGIH 2021   |
| <b>rosin; colophony (8050-09-7)</b>                         |  |
| <b>United Kingdom - Occupational Exposure Limits</b>        |  |
| WEL TWA (mg/m³)   | ≈ 0.05 mg/m³   |
| WEL STEL (mg/m³)  | ≈ 0.15 mg/m³   |
| <b>Exposure limit values for the other components</b>       |  |
| <b>n-hexane (110-54-3)</b>                                  |  |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b>   |  |
| Local name  | n-Hexane   |
| IOELV TWA (mg/m³)   | 72 mg/m³   |
| Regulatory reference  | COMMISSION DIRECTIVE 2006/15/EC  |
| <b>USA - ACGIH - Occupational Exposure Limits</b>           |  |
| Local name  | n-Hexane   |
| ACGIH TWA (ppm)   | 50 ppm   |
| Remark (ACGIH)  | TLV® Basis: CNS impair; peripheral neuropathy; eye irr. Notations: Skin; BEI                           |

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| n-hexane (110-54-3)                       |  |  |
|---|--|--|
| Regulatory reference                      | ACGIH 2021   |  |
| USA - ACGIH - Biological Exposure Indices |  |  |
| Local name                                | n-HEXANE   |  |
| Biological Exposure Indices (BEI)         | 0.5 mg/l Parameter: 2,5-Hexanedione (without hydrolysis) - Medium: urine - Sampling time: End of shift |  |
| Regulatory reference                      | ACGIH 2021   |  |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

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### SECTION 9: Physical and chemical properties

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

|   |                           |
|---|---------------------------|
| Physical state                                  | : Liquid                  |
| Colour  | : Pale yellow.            |
| Odour   | : Characteristic.         |
| Odour threshold                                 | : No data available       |
| pH  | : Not applicable          |
| Relative evaporation rate (butylacetate=1)      | : No data available       |
| Melting point                                   | : Not applicable          |
| Freezing point                                  | : No data available       |
| Boiling point                                   | : > 68 °C                 |
| Flash point                                     | : < 23 °C                 |
| Auto-ignition temperature                       | : No data available       |
| Decomposition temperature                       | : No data available       |
| Flammability (solid, gas)                       | : Not applicable          |
| Vapour pressure                                 | : No data available       |
| Relative vapour density at 20 °C                | : No data available       |
| Relative density                                | : ≈ 0.82                  |
| Solubility                                      | : No data available       |
| Partition coefficient n-octanol/water (Log Pow) | : No data available       |
| Viscosity, kinematic                            | : > 40 mm <sup>2</sup> /s |
| Viscosity, dynamic                              | : 3800 – 4800 cP          |
| Explosive properties                            | : No data available       |
| Oxidising properties                            | : No data available       |
| Explosive limits                                | : No data available       |

#### 9.2. Other information

No additional information available

### 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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |



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### butanone; ethyl methyl ketone (78-93-3)

|               |              |
|---------------|--------------|
| LD50 oral rat | ≈ 2193 mg/kg |
|---------------|--------------|

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Causes skin irritation.<br>pH: Not applicable        |
| Serious eye damage/irritation     | : Causes serious eye irritation.<br>pH: Not applicable |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction.                 |
| Germ cell mutagenicity            | : Not classified                                       |
| Carcinogenicity                   | : Not classified                                       |
| Reproductive toxicity             | : Suspected of damaging fertility. (inhalation).       |
| STOT-single exposure              | : May cause drowsiness or dizziness.                   |

### cyclohexane (110-82-7)

|                      |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

### butanone; ethyl methyl ketone (78-93-3)

|                      |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

### NAPHTHA (PETROLEUM), HYDROTREATED LIGHT (64742-49-0)

|                      |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

|                        |  |
|------------------------|--|
| STOT-repeated exposure | : May cause damage to organs (nervous system) through prolonged or repeated exposure (inhalation). |
|------------------------|--|

### NAPHTHA (PETROLEUM), HYDROTREATED LIGHT (64742-49-0)

|                        |  |
|------------------------|--|
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
|------------------------|--|

|                   |                  |
|-------------------|------------------|
| Aspiration hazard | : Not classified |
|-------------------|------------------|

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|                      |                         |
|----------------------|-------------------------|
| Viscosity, kinematic | > 40 mm <sup>2</sup> /s |
|----------------------|-------------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |   |
|---|---|
| Ecology - general   | : Very toxic to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute)  | : Very toxic to aquatic life.                           |
| Hazardous to the aquatic environment, long-term (chronic) | : Very toxic to aquatic life with long lasting effects. |
| Not rapidly degradable                                    |   |

### 12.2. Persistence and degradability

No additional information available

### 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. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Additional information : Flammable vapours may accumulate in the container.

### SECTION 14: Transport information

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

| ADR  | IMDG   | IATA  | ADN   | RID   |
|--|--|---|---|---|
| <b>14.1. UN number</b>   |  |   |   |   |
| UN 1133  | UN 1133  | UN 1133   | UN 1133   | UN 1133   |
| <b>14.2. UN proper shipping name</b>   |  |   |   |   |
| ADHESIVES (containing flammable liquid)  | ADHESIVES (containing flammable liquid)  | Adhesives (containing flammable liquid)   | ADHESIVES (containing flammable liquid)   | ADHESIVES (containing flammable liquid)   |
| <b>Transport document description</b>  |  |   |   |   |
| UN 1133 ADHESIVES (containing flammable liquid), 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS | UN 1133 ADHESIVES (containing flammable liquid), 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1133 Adhesives (containing flammable liquid), 3, II, ENVIRONMENTALLY HAZARDOUS | UN 1133 ADHESIVES (containing flammable liquid), 3, II, ENVIRONMENTALLY HAZARDOUS | UN 1133 ADHESIVES (containing flammable liquid), 3, II, ENVIRONMENTALLY HAZARDOUS |
| <b>14.3. Transport hazard class(es)</b>  |  |   |   |   |
| 3  | 3  | 3   | 3   | 3   |
|  |  |   |   |   |
| <b>14.4. Packing group</b>   |  |   |   |   |
| II   | II   | II  | II  | II  |
| <b>14.5. Environmental hazards</b>   |  |   |   |   |
| Dangerous for the environment: Yes   | Dangerous for the environment: Yes<br>Marine pollutant: Yes  | Dangerous for the environment: Yes  | Dangerous for the environment: Yes  | Dangerous for the environment: Yes  |
| No supplementary information available   |  |   |   |   |

#### 14.6. Special precautions for user

##### Overland transport

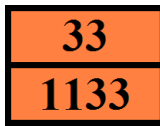
Classification code (ADR) : F1  
Special provisions (ADR) : 640D  
Limited quantities (ADR) : 5I  
Excepted quantities (ADR) : E2  
Packing instructions (ADR) : P001, IBC02, R001  
Special packing provisions (ADR) : PP1  
Mixed packing provisions (ADR) : MP19  
Portable tank and bulk container instructions (ADR) : T4  
Portable tank and bulk container special provisions (ADR) : TP1, TP8  
Tank code (ADR) : LGBF  
Vehicle for tank carriage : FL  
Transport category (ADR) : 2  
Special provisions for carriage - Operation (ADR) : S2, S20

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Hazard identification number (Kemler No.) : 33  
Orange plates :



Tunnel restriction code (ADR) : D/E  
EAC code : •3YE

### Transport by sea

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  
EmS-No. (Fire) : F-E  
EmS-No. (Spillage) : S-D  
Stowage category (IMDG) : B  
Properties and observations (IMDG) : Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their 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  
ERG code (IATA) : 3L

### Inland waterway transport

Classification code (ADN) : F1  
Special provisions (ADN) : 640D  
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) : 640D  
Limited quantities (RID) : 5L  
Excepted quantities (RID) : E2  
Packing instructions (RID) : P001, IBC02, R001  
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  
Tank codes for RID tanks (RID) : LGBF  
Transport category (RID) : 2  
Colis express (express parcels) (RID) : CE7  
Hazard identification number (RID) : 33

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list  $\geq 0,1\%$  / SCL

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

##### 15.1.2. National regulations

| France                |   |
|-----------------------|---|
| Occupational diseases |   |
| Code                  | Description   |
| RG 65                 | Eczematiform lesions of allergic mechanism  |
| RG 66                 | Occupational rhinitis and asthma  |
| RG 84                 | Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide |

##### 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 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

##### Netherlands

ABM category : Z(1) - non biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/ reprotoxicity/bioacumulative potential/ toxicity or persistence)

SZW-lijst van kankerverwekkende stoffen : rosin; colophony is listed

SZW-lijst van mutagene stoffen : rosin; colophony is listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen –

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

##### Denmark

Class for fire hazard : Class II-1

Store unit : 5 liter

Classification remarks : R10 <H225;H315;H317;H319;H336;H361;H373;H410>; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

##### Switzerland

Storage class (LK) : LK 3 - Flammable liquids

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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### 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   |
| BLV                         | Biological limit value  |
| CAS-No.                     | Chemical Abstract Service number  |
| CLP                         | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC50                        | Median effective concentration  |
| EC-No.                      | European Community number   |
| EN                          | European Standard   |
| 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  |
| OEL                         | Occupational Exposure Limit   |
| PBT                         | Persistent Bioaccumulative Toxic  |
| PNEC                        | Predicted No-Effect Concentration   |
| REACH                       | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS                         | Safety Data Sheet   |
| vPvB                        | Very Persistent and Very Bioaccumulative  |
| WGK                         | Water Hazard Class  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Aquatic Acute 1                     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| Flam. Liq. 2                        | Flammable liquids, Category 2                                     |
| H225                                | Highly flammable liquid and vapour.                               |
| H304                                | May be fatal if swallowed and enters airways.                     |
| H315                                | Causes skin irritation.   |

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| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| H317                                | May cause an allergic skin reaction.                                   |
| H319                                | Causes serious eye irritation.   |
| H336                                | May cause drowsiness or dizziness.                                     |
| H361                                | Suspected of damaging fertility or the unborn child.                   |
| H361f                               | Suspected of damaging fertility.                                       |
| H373                                | May cause damage to organs through prolonged or repeated exposure.     |
| H400                                | Very toxic to aquatic life.  |
| H410                                | Very toxic to aquatic life with long lasting effects.                  |
| H411                                | Toxic to aquatic life with long lasting effects.                       |
| Repr. 2                             | Reproductive toxicity, Category 2                                      |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                                  |
| Skin Sens. 1                        | Skin sensitisation, Category 1   |
| STOT RE 2                           | Specific target organ toxicity — Repeated exposure, Category 2         |
| STOT SE 3                           | Specific target organ toxicity — Single exposure, Category 3, Narcosis |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.