

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

1.1. Product identifier

| | |
|-----------------|----------------------------------|
| Product form | : Mixture |
| Trade name | : SHUFIT BEIGE (B) 150 ML/420 ML |
| UFI | : QNKD-7UW6-6W0R-8SE1 |
| Product code | : 10114150 / 100114420 |
| Type of product | : 2K-adhesives |

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 |
| Use of the substance/mixture | : Bonding and repair of the hoof |

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Glue-U Adhesives B.V.
Droogdokkeneiland 8
5026 SR Tilburg - Nederland
T 013 - 545 3118
sales@glue-u.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] Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

| | |
|--|------|
| Flammable liquids, Category 2 | H225 |
| Skin corrosion/irritation, Category 1, Sub-Category 1B | H314 |
| Serious eye damage/eye irritation, Category 1 | H318 |
| Skin sensitisation, Category 1 | H317 |
| Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation | H335 |
| Full text of H-statements: see section 16 | |

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

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| | |
|--------------------------------|--|
| Contains | : METHYL METHACRYLATE ; CYCLOHEXYL METHACRYLATE; REACTION PRODUCTS OF 2-HYDROXYETHYL METHACRYLATE AND DIPHOSPHORPENT TOXIDE AND WATER (HEMA-PHOSPHATE); 2-METHYLPROPENOIC ACID |
| Hazard statements (CLP) | : H225 - Highly flammable liquid and vapour. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H335 - May cause respiratory irritation. |
| Precautionary statements (CLP) | : P280 - Wear protective gloves, protective clothing, eye protection, face protection. P403+P235 - Store in a well-ventilated place. Keep cool. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P243 - Take action to prevent static discharges. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| Child-resistant fastening | : No data available |
| Tactile warning | : No data available |

2.3. Other hazards

| | |
|---|---|
| Other hazards which do not result in classification | : This mixture does not contain any substances with a concentration > 0.1% (w / w) that are assessed as bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB), to the best of our knowledge. |
|---|---|

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 is 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

SECTION 3: Composition/information on ingredients

3.1. Substances

No data available

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---------|---|
| METHYL METHACRYLATE substance with a Community workplace exposure limit | CAS-No.: 80-62-6 EC-No.: 201-297-1 EC Index-No.: 607-035-00-6 REACH-no: 01-2119452498-28 | 30 – 40 | Flam. Liq. 2, H225 STOT SE 3, H335 Skin Irrit. 2, H315 Skin Sens. 1, H317 |
| CYCLOHEXYL METHACRYLATE | CAS-No.: 101-43-9 EC-No.: 202-943-5 REACH-no: 01-2119484667-21 | 1 – 5 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 |
| REACTION PRODUCTS OF 2-HYDROXYETHYL METHACRYLATE AND DIPHOSPHORPENT TOXIDE AND WATER (HEMA-PHOSPHATE) | REACH-no: 01-2120770699-34 | 1 – 5 | Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 |
| 1,4-DIMETHYLPIPERAZINE | CAS-No.: 106-58-1 EC-No.: 203-412-0 | 1 – 5 | Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|-------|---|
| 2-METHYLPROPENOIC ACID substance with a Community workplace exposure limit | CAS-No.: 79-41-4 EC-No.: 201-204-4 EC Index-No.: 607-088-00-5 REACH-no: 01-2119463884-26 | 1 – 5 | Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 |
| 1,1'-(P-TOLYLIMINO)DIPROPAN-2-OL | CAS-No.: 38668-48-3 EC-No.: 254-075-1 REACH-no: 01-2119980937-17 | 1 – 5 | Acute Tox. 1 (Oral), H300 Eye Irrit. 2, H319 Aquatic Chronic 3, H412 |

| Specific concentration limits | | |
|-------------------------------|---|-------------------------------|
| Name | Product identifier | Specific concentration limits |
| 2-METHYLPROPENOIC ACID | CAS-No.: 79-41-4 EC-No.: 201-204-4 EC Index-No.: 607-088-00-5 REACH-no: 01-2119463884-26 | (1 ≤C < 100) STOT SE 3, H335 |

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 | : Move the affected person away from the contaminated area. Allow affected person to breathe fresh air. Make the affected person rest and keep at warm. Seek immediate medical advice. |
| First-aid measures after inhalation | : Move the affected person away from the contaminated area and into the fresh air. Give oxygen or artificial respiration if necessary. Keep victim warm and rested. Seek medical attention immediately. |
| First-aid measures after skin contact | : Take off contaminated clothing. Rinse skin with plenty of water or shower. Wash with plenty of soap and water. In case of faintness or symptoms of skin irritation appear, take medical advice. |
| First-aid measures after eye contact | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately rinse with water for a prolonged period while holding the eyelids wide open. Immediately flush eyes thoroughly with water for at least 15 minutes. Get immediate medical advice/attention. |
| First-aid measures after ingestion | : Do NOT induce vomiting. Do not give an unconscious person anything to drink. Rinse mouth out with water. Get medical advice/attention. |

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

| | |
|-------------------------------------|---|
| Symptoms/effects | : Effects of contact or inhalation might be delayed. Do not leave the affected person unattended. |
| Symptoms/effects after inhalation | : Irritation of the throat, nose and respiratory tract. May cause drowsiness or dizziness. Disorientation. Giddiness. Headache. Nausea. |
| Symptoms/effects after skin contact | : Allergic skin rash. Burns. |
| Symptoms/effects after eye contact | : Eye irritation. and / or mucous membranes. Blurred vision. May cause severe irritation. |
| Symptoms/effects after ingestion | : May be harmful if swallowed. May cause drowsiness or dizziness. Disorientation. Giddiness. Gastrointestinal complaints. Vomiting. |

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

Effects of contact or inhalation might be delayed. Do not leave the affected person unattended.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Sand. Dry chemical, CO₂, or water spray or regular foam. Dolomite. Water spray.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable. The vapours are denser than air and may travel along the ground. Distance ignition possible.

Explosion hazard : Closed containers may rupture if exposed to extreme heat.

Reactivity in case of fire : Toxic gases are released. Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Nitrous fumes.

Hazardous decomposition products in case of fire : Hazardous gas/vapours are formed in the event of decomposition (see section 10).

5.3. Advice for firefighters

Precautionary measures fire : Move containers away from the fire area if this can be done without risk. Use water spray or fog for cooling exposed containers. Cool flame-exposed containers generously after fire has been extinguished.

Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus.

Other information : Do not allow run-off from fire-fighting to enter drains or water courses. Dyke fire control water for later disposal. 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

General measures : Wear personal protective clothing (see chapter 8).

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow into drains or water courses. Avoid sub-soil penetration.

6.3. Methods and material for containment and cleaning up

For containment : For a large spillage, contain the spillage by bunding. Absorb remaining liquid with sand or inert absorbent and remove to safe place.

Methods for cleaning up : Eliminate all ignition sources if safe to do so. Ensure that there is a suitable ventilation system. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure that direct skin contact is avoided. Avoid inhalation of the product. Absorb remaining liquid with sand or inert absorbent and remove to safe place. Shovel into suitable and closed container for disposal. Close container tightly after use. For disposal of contaminated materials refer to section 13 : "Disposal considerations".

Other information : Ensure there is no direct skin contact with product. Avoid breathing (dust, vapor, mist, gas).

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Take precautionary measures to prevent the formation of static electricity. No naked flames, sparks, and do not smoke. Use explosion-proof equipment/ventilating/lighting. Avoid contact with skin and eyes. Handle all packages and containers carefully to minimise spills. Ensure that there is a suitable ventilation system. Avoid inhalation of vapours. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take off immediately all contaminated clothing and wash it before reuse. Separate working clothes from town clothes. Launder separately. Dispose of contaminated clothing in a closed container for disposal or cleaning. Inform the cleaning personnel of all hazardous properties of this product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store tightly closed in a dry and cool place. Store in the original container and with the original cap.
- Incompatible materials : Acids, alkalis and oxidizing agent.
- Special rules on packaging : Store in a closed container. Keep only in original container.

7.3. Specific end use(s)

- 1.2. Recommended uses and restrictions.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

METHYL METHACRYLATE (80-62-6)

EU - Indicative Occupational Exposure Limit (IOEL)

| | |
|-----------|-----------------------|
| IOEL TWA | 205 mg/m ³ |
| IOEL STEL | 410 mg/m ³ |

Germany - Occupational Exposure Limits (Generic OEL data)

| | |
|-----------------------------|-----------------------|
| TRGS 900 (short time value) | 420 mg/m ³ |
| TRGS 900 (short time value) | 100 ppm |
| TRGS 900 (long term) | 210 mg/m ³ |
| TRGS 900 (long term) | 50 ppm |

2-METHYLPROPENOIC ACID (79-41-4)

EU - Indicative Occupational Exposure Limit (IOEL)

| | |
|-----------|-----------------------|
| IOEL TWA | 72 mg/m ³ |
| IOEL STEL | 143 mg/m ³ |

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

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8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Use explosion-proof equipment/ventilating/lighting.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product. Chemical goggles or face shield. EN 166

8.2.2.2. Skin protection

Skin and body protection:

Completely skin-covering anti-static, chemical and oil resistant clothing. Chemical resistant safety shoes. EN 1149. EN 340. EN ISO 13688. EN-13034/6

Hand protection:

Chemical resistant gloves (according to European standard EN 374 or equivalent). Impermeable protective gloves. Neoprene/viton®. Nitrile rubber gloves. Butyl rubber. Neoprene protective gloves. Check gloves carefully before use. 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. Layer thickness : > 0,35 mm (NBR); > 0,7 mm (HNBR). Permeation level: 6 (> 480 min.). Since the product consists of several substances, the durability of the glove material cannot be estimated and needs to be tested before use. Consult supplier for specific recommendations.

8.2.2.3. Respiratory protection

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Full / half / quarter mask (EN 136/140). Type ABEK-P2 (combination filter for gases, vapors and particles, color code: brown / gray / yellow / green / white). An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

The floor of the depot should be impermeable and designed to form a water-tight basin. Do not allow to enter into surface water or drains. Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|-----------------|
| Physical state | : Liquid |
| Colour | : light brown. |
| Appearance | : Paste. |
| Odour | : acrylic-like. |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not available |
| Boiling point | : > 35 °C |

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| | |
|---|--------------------------------------|
| Flammability | : Not applicable |
| Explosive limits | : Not available |
| Lower explosive limit (LEL) | : Not available |
| Upper explosive limit (UEL) | : Not available |
| Flash point | : > 15 °C (closed cup) |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : Not available |
| Viscosity, kinematic | : Not available |
| Viscosity, dynamic | : 100000 – 200000 cP @ 25°C |
| Solubility | : Water: Material insoluble in water |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50 °C | : Not available |
| Density | : Not available |
| Relative density | : 1.1 – 1.15 @ 20°C |
| Relative vapour density at 20 °C | : Not available |
| Particle size | : No data available |
| Particle size distribution | : No data available |
| Particle shape | : No data available |
| Particle aspect ratio | : No data available |
| Particle aggregation state | : No data available |
| Particle agglomeration state | : No data available |
| Particle specific surface area | : No data available |
| Particle dustiness | : No data available |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : < 1 % According to EU Solvent Emissions Directive 1999/13/EC calculated

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Under normal conditions, hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid high temperatures. Protect from sunlight. Protect from freezing.

10.5. Incompatible materials

Acids, alkalis and oxidizing agent.

10.6. Hazardous decomposition products

Nitrogen oxides. Carbon dioxide. Phosphorous oxide. Traces of hydrogen cyanide.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified

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| | |
|-----------------------------|---|
| Acute toxicity (dermal) | : Based on available data, the classification criteria are not met |
| Acute toxicity (inhalation) | : Based on available data, the classification criteria are not met |
| Additional information | : This product consists of a chemical composition according to REACH Regulation 1907/2006 / EC To avoid testing on animals, the evaluation was carried out based on toxicological data and mass content of the individual components according to 1272/2008 / EC or analogous evaluations of comparable products |

| SHUFIT BEIGE (B) 150 ML/420 ML | |
|--------------------------------|---------------|
| ATE CLP (oral) | 2289.97 mg/kg |
| ATE CLP (dermal) | 20068.9 mg/kg |
| ATE CLP (dust,mist) | 60.09 mg/l |

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Irritation/skin corrosion pH: Not available |
| Serious eye damage/irritation | : Causes serious eye damage. pH: Not available |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Additional information | : Respiratory tract; 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 respiratory irritation. |
| STOT-repeated exposure | : Based on available data, the classification criteria are not met |
| Aspiration hazard | : Not relevant |

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|--|
| Ecology - general | : Do not discharge into groundwater, into surface water or into drains. Ecological problems are not known or expected under normal use. However, large or frequent spills can have dangerous effects on the environment. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

12.2. Persistence and degradability

| SHUFIT BEIGE (B) 150 ML/420 ML | |
|--------------------------------|--------------------------------------|
| Persistence and degradability | No additional information available. |

12.3. Bioaccumulative potential

| SHUFIT BEIGE (B) 150 ML/420 ML | |
|--------------------------------|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |

12.4. Mobility in soil

| SHUFIT BEIGE (B) 150 ML/420 ML | |
|--------------------------------|--------------------|
| Mobility in soil | Insoluble in water |

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12.5. Results of PBT and vPvB assessment

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| | |
|---------------------------|--|
| Results of PBT assessment | Due to a lack of data, not all ingredients can be tested for PBT and vPvB criteria. This mixture does not contain any substances with a concentration > 0.1% (w / w) that are assessed as bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB), to the best of our knowledge |
|---------------------------|--|

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Other adverse effects : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-----------------------------------|--|
| Regional legislation (waste) | : Disposal must be done according to official regulations. |
| Waste treatment methods | : Do not discharge into groundwater, into surface water or into drains. Do not dispose of with domestic waste. Hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Dispose of contents/container in accordance with licensed collector's sorting instructions. Fully cured products are generally not considered hazardous waste. |
| Sewage disposal recommendations | : Disposal as hazardous substance according to European Directive 91/689 / EEC. |
| European List of Waste (LoW) code | : The waste material code number refers to the actual waste material (origin) and not to substances or mixtures as they are placed on the market The producer of the waste must evaluate his process himself and assign the appropriate waste coding. See Decision 2001/118 / EC Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities |

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 1133 | UN 1133 | UN 1133 | UN 1133 | UN 1133 |
| 14.2. UN proper shipping name | | | | |
| ADHESIVES (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)) | ADHESIVES (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE; EPOXY RESIN (number average MW ≤ 700))) | Adhesives (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)) | ADHESIVES (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)) | ADHESIVES (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)) |
| Transport document description | | | | |
| UN 1133 ADHESIVES (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)), 3, II, (D/E) | UN 1133 ADHESIVES (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE; EPOXY RESIN (number average MW ≤ 700))), 3, II | UN 1133 Adhesives (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)), 3, II | UN 1133 ADHESIVES (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)), 3, II | UN 1133 ADHESIVES (ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)), 3, II |

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| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| 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 Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| Not environmentally hazardous. | | | | |

14.6. Special precautions for user

Overland transport

Hazard identification number (Kemler No.)

: 33

Orange plates

:



Tunnel restriction code (ADR)

: D/E

Transport by sea

EmS-No. (Fire)

: F-E

EmS-No. (Spillage)

: S-D

Air transport

No data available

Inland waterway transport

No data available

Rail transport

Hazard identification number (RID)

: 33

14.7. Maritime transport in bulk according to IMO instruments

IBC code

: No data available.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

| EU restriction list (REACH Annex XVII) | | |
|--|---|--|
| Reference code | Applicable on | Entry title or description |
| 3(a) | SHUFIT BEIGE (B) 150 ML/420 ML ; METHYL METHACRYLATE ; 1,4-DIMETHYLPIPERAZINE | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F |

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| EU restriction list (REACH Annex XVII) | | |
|--|---|--|
| Reference code | Applicable on | Entry title or description |
| 3(b) | SHUFIT BEIGE (B) 150 ML/420 ML ; METHYL METHACRYLATE ; 1,4-DIMETHYLPIPERAZINE | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c) | 1,4-DIMETHYLPIPERAZINE | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |
| 40. | METHYL METHACRYLATE ; 1,4-DIMETHYLPIPERAZINE | Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. |

Contains no substance on the REACH candidate list

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

VOC content

: < 1 % According to EU Solvent Emissions Directive 1999/13/EC calculated

Other information, restriction and prohibition regulations

: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006. Directive 2012/18/EU (SEVESO III). is a European Union directive aimed at controlling major chemical accident hazards.

Directive 2012/18/EU (SEVESO III)

Seveso Additional information

: P5c

15.1.2. National regulations

| France | |
|-----------------------|--|
| Occupational diseases | |
| Code | Description: Cleaning agent |
| RG 82 | Conditions caused by methyl methacrylate |

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)

Storage class (LGK, TRGS 510)

: LGK 3 - Flammable liquids

Netherlands

SZW-lijst van kankerverwekkende stoffen

: None of the components are listed

SZW-lijst van mutagene stoffen

: None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding

: None of the components are listed

SZW-lijst van reprotoxische stoffen –

: None of the components are listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling

: None of the components are listed

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

Indication of changes:

This sheet has been revised completely (changes were not marked).

| Indication of changes | | | |
|-----------------------|---|----------|----------|
| Section | Changed item | Change | Comments |
| | Serious eye damage/irritation - comment | Added | |
| | Skin corrosion/irritation - comment | Added | |
| | CSR applicable | Added | |
| | Hazard identification number (RID) | Added | |
| | Seveso Additional information | Modified | |
| | UN-No. (RID) | Modified | |
| | Packing group (RID) | Modified | |
| | Danger labels (ADN) | Modified | |
| | Proper Shipping Name (RID) | Modified | |
| | Danger labels (IATA) | Modified | |
| | Proper Shipping Name (IATA) | Modified | |
| | Properties and observations (IMDG) | Modified | |
| | Proper Shipping Name (IMDG) | Modified | |
| | Danger labels (IMDG) | Modified | |
| | EmS-No. (Spillage) | Modified | |
| | EmS-No. (Fire) | Modified | |
| | Supersedes version of | Modified | |
| | Revision date | Modified | |
| | Issue date | Modified | |
| 1.2 | Intended for general public | Added | |
| 2.1 | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Modified | |
| 2.2 | Signal word (CLP) | Modified | |
| 2.2 | Hazard pictograms (CLP) | Modified | |
| 2.2 | Precautionary statements (CLP) | Modified | |
| 2.2 | Hazard statements (CLP) | Modified | |
| 3 | Composition/information on ingredients | Modified | |
| 4.2 | Symptoms/effects after skin contact | Modified | |
| 4.2 | Symptoms/effects after ingestion | Modified | |
| 4.2 | Symptoms/effects after eye contact | Modified | |
| 4.2 | Symptoms/effects after inhalation | Modified | |
| 5.1 | Suitable extinguishing media | Modified | |
| 5.2 | Hazardous decomposition products in case of fire | Added | |
| 5.2 | Fire hazard | Added | |

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| Indication of changes | | | |
|-----------------------|---|----------|----------|
| Section | Changed item | Change | Comments |
| 5.2 | Reactivity in case of fire | Modified | |
| 5.3 | Protection during firefighting | Added | |
| 6.1 | General measures | Added | |
| 6.3 | Methods for cleaning up | Modified | |
| 7.1 | Precautions for safe handling | Modified | |
| 7.2 | Incompatible materials | Modified | |
| 8.2 | Appropriate engineering controls | Modified | |
| 8.2 | Hand protection | Modified | |
| 9.1 | Viscosity, dynamic | Added | |
| 9.1 | Relative density | Modified | |
| 9.1 | Flash point | Modified | |
| 9.1 | Odour | Modified | |
| 9.1 | Boiling point | Added | |
| 10.1 | Reactivity | Modified | |
| 10.4 | Conditions to avoid | Modified | |
| 10.5 | Incompatible materials | Modified | |
| 10.6 | Hazardous decomposition products | Modified | |
| 11.1 | ATE CLP (oral) | Added | |
| 11.1 | ATE CLP (dust,mist) | Added | |
| 11.1 | ATE CLP (dermal) | Added | |
| 12.1 | Ecology - general | Modified | |
| 13.1 | Waste treatment methods | Modified | |
| 14.1 | UN-No. (ADN) | Modified | |
| 14.1 | UN-No. (ADR) | Modified | |
| 14.1 | UN-No. (IMDG) | Modified | |
| 14.1 | UN-No. (IATA) | Modified | |
| 14.2 | Proper Shipping Name (ADR) | Modified | |
| 14.2 | Proper Shipping Name (ADN) | Modified | |
| 14.3 | Danger labels (ADR) | Modified | |
| 14.3 | Class (ADR) | Modified | |
| 14.3 | Danger labels (RID) | Modified | |
| 14.4 | Packing group (ADR) | Modified | |
| 14.4 | Packing group (IMDG) | Modified | |
| 14.4 | Packing group (IATA) | Modified | |
| 14.4 | Packing group (ADN) | Modified | |
| 14.5 | Other information | Added | |
| 14.6 | Hazard identification number (Kemler No.) | Added | |
| 14.6 | Tunnel restriction code (ADR) | Modified | |

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| Indication of changes | | | |
|-----------------------|--|----------|----------|
| Section | Changed item | Change | Comments |
| 14.7 | IBC code | Modified | |
| 15.1 | Storage class (LGK, TRGS 510) | Modified | |
| 15.1 | Other information, restriction and prohibition regulations | Added | |

| Abbreviations and acronyms | |
|----------------------------|---|
| ATE | Acute Toxicity Estimate |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| CAS-No. | Chemical Abstract Service number |
| DNEL | Derived-No Effect Level |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| IATA | International Air Transport Association |
| EC-No. | European Community number |
| IMDG | International Maritime Dangerous Goods |
| PBT | Persistent Bioaccumulative Toxic |
| vPvB | Very Persistent and Very Bioaccumulative |
| LC50 | Median lethal concentration |
| LD50 | Dose leading to death in 50% of a test population (median lethal dose) |
| EC50 | Median effective concentration |

Data sources

: These data are based on the current state of our knowledge. However, they do not provide a guarantee of product properties and do not establish a contractual legal relationship.
Classification procedure: . Health and Environmental Hazards: The method for classifying mixtures based on the components of the mixture (sum formula). Physical and Chemical Properties: Classification is based on the results of the mixtures tested.

| Full text of H- and EUH-statements | |
|------------------------------------|---|
| Acute Tox. 1 (Oral) | Acute toxicity (oral), Category 1 |
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| Skin Corr. 1C | Skin corrosion/irritation, Category 1, Sub-Category 1C |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |

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| Full text of H- and EUH-statements | |
|------------------------------------|--|
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H225 | Highly flammable liquid and vapour. |
| H300 | Fatal if swallowed. |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |
| H412 | Harmful to aquatic life with long lasting effects. |

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.