

Hotmelt Glue Stick

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 4/20/2022 Revision date: 4/20/2022 Version: 1.0

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

1.1. Product identifier

Product form : Article
Trade name : Hotmelt Glue Stick

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Used for viscose cloth, paper products, crafts, ceramic, wood products, and so on

1.2.2. Uses advised against

1.3. Details of the supplier of the safety data sheet

1.4. Emergency telephone number

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The substance is not 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

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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] |
|------------------|--|---------|---|
| Petroleum resins | CAS-No.: 64742-16-1 EC-No.: 265-116-8 | 30 – 40 | Not classified |
| Vinyl acetate | CAS-No.: 108-05-4 EC-No.: 203-545-4 EC Index-No.: 607-023-00-0 | 30 – 35 | Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT SE 3, H335 |
| Ethene | CAS-No.: 74-85-1 EC-No.: 200-815-3 EC Index-No.: 601-010-00-3 REACH-no: 01-2119462827-27-0039 | 30 – 35 | Flam. Gas 1, H220 Press. Gas STOT SE 3, H336 |

Note: Petroleum resins, Vinyl acetate, Ethylene are monomers of their polymers. The product is an article and do not contain any monomer.

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 symptoms persist call a doctor. |
| First-aid measures after inhalation | • Remove person to fresh air and keep comfortable for breathing. Seek medical attention immediately. |
| First-aid measures after skin contact | • Wash skin with plenty of water. Take off contaminated clothes, wash skin with plenty of water or have a shower (during minimum 15 minutes) and if necessary take medical advice. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Cover affected area with a clean dressing. |
| First-aid measures after eye contact | • Rinse eyes with water as a precaution. Immediately flush eyes thoroughly with water for at least 15 minutes. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. If necessary seek medical advice. |
| First-aid measures after ingestion | • Never attempt to induce vomiting. Drink some glasses of water. Call a poison center or a doctor if you feel unwell. Never give anything by mouth to an unconscious person. |

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

Inhalation: Vapors from heated material may cause irritation of the respiratory system. Symptoms may include cough, sneezing, nasal discharge, headache, hoarseness and nose and throat pain.

Skin contact: Thermal burns: Signs/symptoms may include intense pain, redness and swelling, and tissue destruction.

Eye contact: Vapors from heated material may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion: May cause physical blockage: Signs/symptoms may include cramping, abdominal pain, and constipation.

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 powder. Foam. Use extinguishing media appropriate for surrounding fire. |
|------------------------------|--|

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Unsuitable extinguishing media : No information available.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions : Keep upwind. Ensure adequate ventilation during the application.
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. Remove all sources of ignition.

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. Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. Pick up mechanically. Reclaim undamaged product. Remove all sources of ignition.
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 : Ensure good ventilation of the work station. Wear personal protective equipment. Wash thoroughly after handling. Do not eat, drink or smoke during use. Avoid skin contact with hot material. Keep out of the reach of children.
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

Storage conditions : Store in a well-ventilated place. Keep cool. Keep away from heat.

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

Vinyl acetate (108-05-4)

EU - Indicative Occupational Exposure Limit (IOEL)

| | |
|------------|---------------|
| Local name | Vinyl acetate |
|------------|---------------|

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Vinyl acetate (108-05-4)

| | |
|----------------------|----------------------------------|
| IOEL TWA | 17.6 mg/m ³ |
| IOEL TWA [ppm] | 5 ppm |
| IOEL STEL | 35.2 mg/m ³ |
| IOEL STEL [ppm] | 10 ppm |
| Regulatory reference | COMMISSION DIRECTIVE 2009/161/EU |

Austria - Occupational Exposure Limits

| | |
|-----------------------|------------------------|
| TRK (OEL TWA) | 17.6 mg/m ³ |
| TRK (OEL TWA) [ppm] | 5 ppm |
| OEL chemical category | Group B Carcinogen |

Belgium - Occupational Exposure Limits

| | |
|----------------|------------------------|
| OEL TWA | 17.6 mg/m ³ |
| OEL TWA [ppm] | 5 ppm |
| OEL STEL | 35.2 mg/m ³ |
| OEL STEL [ppm] | 10 ppm |

Bulgaria - Occupational Exposure Limits

| | |
|----------------|------------------------|
| OEL TWA | 17.6 mg/m ³ |
| OEL TWA [ppm] | 5 ppm |
| OEL STEL | 35.2 mg/m ³ |
| OEL STEL [ppm] | 10 ppm |

Croatia - Occupational Exposure Limits

| | |
|-----------------------|------------------------|
| GVI (OEL TWA) [1] | 17.6 mg/m ³ |
| GVI (OEL TWA) [2] | 5 ppm |
| KGVI (OEL STEL) | 35.2 mg/m ³ |
| KGVI (OEL STEL) [ppm] | 10 ppm |

Cyprus - Occupational Exposure Limits

| | |
|----------------|------------------------|
| OEL TWA | 17.6 mg/m ³ |
| OEL TWA [ppm] | 5 ppm |
| OEL STEL | 35.2 mg/m ³ |
| OEL STEL [ppm] | 10 ppm |

Czech Republic - Occupational Exposure Limits

| | |
|---------------|----------------------|
| PEL (OEL TWA) | 18 mg/m ³ |
|---------------|----------------------|

Denmark - Occupational Exposure Limits

| | |
|-------------|----------------------|
| OEL TWA [1] | 18 mg/m ³ |
| OEL TWA [2] | 5 ppm |

Estonia - Occupational Exposure Limits

| | |
|----------------|------------------------|
| OEL TWA | 17.6 mg/m ³ |
| OEL TWA [ppm] | 5 ppm |
| OEL STEL | 35.2 mg/m ³ |
| OEL STEL [ppm] | 10 ppm |

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Vinyl acetate (108-05-4)

Finland - Occupational Exposure Limits

| | |
|----------------------|----------------------|
| HTP (OEL TWA) [1] | 18 mg/m ³ |
| HTP (OEL TWA) [2] | 5 ppm |
| HTP (OEL STEL) | 35 mg/m ³ |
| HTP (OEL STEL) [ppm] | 10 ppm |

France - Occupational Exposure Limits

| | |
|------------------------|--|
| VME (OEL TWA) | 17.6 mg/m ³ |
| VME (OEL TWA) [ppm] | 5 ppm |
| VLE (OEL C/STEL) | 35.2 mg/m ³ (restrictive limit) |
| VLE (OEL C/STEL) [ppm] | 10 ppm (restrictive limit) |
| OEL chemical category | Carcinogen category 2 |

Germany - Occupational Exposure Limits (TRGS 900)

| | |
|-------------------|---|
| AGW (OEL TWA) [1] | 36 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| AGW (OEL TWA) [2] | 10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Chemical category | Skin notation |

Gibraltar - Occupational Exposure Limits

| | |
|----------------|------------------------|
| OEL TWA | 17.6 mg/m ³ |
| OEL TWA [ppm] | 5 ppm |
| OEL STEL | 35.2 mg/m ³ |
| OEL STEL [ppm] | 10 ppm |

Greece - Occupational Exposure Limits

| | |
|----------------|------------------------|
| OEL TWA | 17.6 mg/m ³ |
| OEL TWA [ppm] | 5 ppm |
| OEL STEL | 35.2 mg/m ³ |
| OEL STEL [ppm] | 10 ppm |

Hungary - Occupational Exposure Limits

| | |
|---------------|------------------------|
| AK (OEL TWA) | 17.6 mg/m ³ |
| CK (OEL STEL) | 35.2 mg/m ³ |

Ireland - Occupational Exposure Limits

| | |
|----------------|----------------------|
| OEL TWA [1] | 18 mg/m ³ |
| OEL TWA [2] | 5 ppm |
| OEL STEL | 35 mg/m ³ |
| OEL STEL [ppm] | 10 ppm |

Italy - Occupational Exposure Limits

| | |
|----------------|------------------------|
| OEL TWA | 17.6 mg/m ³ |
| OEL TWA [ppm] | 5 ppm |
| OEL STEL | 35.2 mg/m ³ |
| OEL STEL [ppm] | 10 ppm |

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Vinyl acetate (108-05-4)

Latvia - Occupational Exposure Limits

| | |
|---------------|------------------------|
| OEL TWA | 17.6 mg/m ³ |
| OEL TWA [ppm] | 5 ppm |

Lithuania - Occupational Exposure Limits

| | |
|-----------------------|------------------------|
| IPRV (OEL TWA) | 17.6 mg/m ³ |
| IPRV (OEL TWA) [ppm] | 5 ppm |
| TPRV (OEL STEL) | 35.2 mg/m ³ |
| TPRV (OEL STEL) [ppm] | 10 ppm |

Luxembourg - Occupational Exposure Limits

| | |
|----------------|------------------------|
| OEL TWA | 17.6 mg/m ³ |
| OEL TWA [ppm] | 5 ppm |
| OEL STEL | 35.2 mg/m ³ |
| OEL STEL [ppm] | 10 ppm |

Malta - Occupational Exposure Limits

| | |
|-----------------------|--|
| OEL TWA | 17.6 mg/m ³ |
| OEL TWA [ppm] | 5 ppm |
| OEL STEL | 35.2 mg/m ³ |
| OEL STEL [ppm] | 10 ppm |
| OEL chemical category | Possibility of significant uptake through the skin |

Netherlands - Occupational Exposure Limits

| | |
|----------------------|----------------------|
| TGG-8u (OEL TWA) | 18 mg/m ³ |
| TGG-15min (OEL STEL) | 36 mg/m ³ |

Poland - Occupational Exposure Limits

| | |
|------------------|----------------------|
| NDS (OEL TWA) | 10 mg/m ³ |
| NDSch (OEL STEL) | 30 mg/m ³ |

Portugal - Occupational Exposure Limits

| | |
|-----------------------|---|
| OEL TWA | 17.6 mg/m ³ (indicative limit value) |
| OEL TWA [ppm] | 5 ppm (indicative limit value) |
| OEL STEL | 35.2 mg/m ³ (indicative limit value) |
| OEL STEL [ppm] | 10 ppm (indicative limit value) |
| OEL chemical category | A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans |

Romania - Occupational Exposure Limits

| | |
|----------------|------------------------|
| OEL TWA | 17.6 mg/m ³ |
| OEL TWA [ppm] | 5 ppm |
| OEL STEL | 35.2 mg/m ³ |
| OEL STEL [ppm] | 10 ppm |

Slovakia - Occupational Exposure Limits

| | |
|--------------------|----------------------|
| NPHV (OEL TWA) [1] | 36 mg/m ³ |
| NPHV (OEL TWA) [2] | 10 ppm |

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Vinyl acetate (108-05-4)

| | |
|--------------|------------------------|
| NPHV (OEL C) | 35.2 mg/m ³ |
|--------------|------------------------|

Slovenia - Occupational Exposure Limits

| | |
|---------|------------------------|
| OEL TWA | 17.6 mg/m ³ |
|---------|------------------------|

| | |
|---------------|-------|
| OEL TWA [ppm] | 5 ppm |
|---------------|-------|

| | |
|----------|------------------------|
| OEL STEL | 35.2 mg/m ³ |
|----------|------------------------|

| | |
|----------------|--------|
| OEL STEL [ppm] | 10 ppm |
|----------------|--------|

| | |
|-----------------------|------------|
| OEL chemical category | Category 2 |
|-----------------------|------------|

Spain - Occupational Exposure Limits

| | |
|----------------------|---|
| VLA-ED (OEL TWA) [1] | 17.6 mg/m ³ (indicative limit value) |
|----------------------|---|

| | |
|----------------------|--------------------------------|
| VLA-ED (OEL TWA) [2] | 5 ppm (indicative limit value) |
|----------------------|--------------------------------|

| | |
|-------------------|------------------------|
| VLA-EC (OEL STEL) | 35.2 mg/m ³ |
|-------------------|------------------------|

| | |
|-------------------------|--------|
| VLA-EC (OEL STEL) [ppm] | 10 ppm |
|-------------------------|--------|

Sweden - Occupational Exposure Limits

| | |
|---------------|----------------------|
| NGV (OEL TWA) | 18 mg/m ³ |
|---------------|----------------------|

| | |
|---------------------|-------|
| NGV (OEL TWA) [ppm] | 5 ppm |
|---------------------|-------|

| | |
|----------------|----------------------|
| KTV (OEL STEL) | 35 mg/m ³ |
|----------------|----------------------|

| | |
|----------------------|--------|
| KTV (OEL STEL) [ppm] | 10 ppm |
|----------------------|--------|

United Kingdom - Occupational Exposure Limits

| | |
|-----------------------|------------------------|
| WEL TWA (OEL TWA) [1] | 17.6 mg/m ³ |
|-----------------------|------------------------|

| | |
|-----------------------|-------|
| WEL TWA (OEL TWA) [2] | 5 ppm |
|-----------------------|-------|

| | |
|---------------------|------------------------|
| WEL STEL (OEL STEL) | 35.2 mg/m ³ |
|---------------------|------------------------|

| | |
|---------------------------|--------|
| WEL STEL (OEL STEL) [ppm] | 10 ppm |
|---------------------------|--------|

Norway - Occupational Exposure Limits

| | |
|---------------------------|------------------------|
| Grenseverdi (OEL TWA) [1] | 17.6 mg/m ³ |
|---------------------------|------------------------|

| | |
|---------------------------|-------|
| Grenseverdi (OEL TWA) [2] | 5 ppm |
|---------------------------|-------|

| | |
|--------------------------|--|
| Korttidsverdi (OEL STEL) | 35.2 mg/m ³ (value from the regulation) |
|--------------------------|--|

| | |
|--------------------------------|------------------------------------|
| Korttidsverdi (OEL STEL) [ppm] | 10 ppm (value from the regulation) |
|--------------------------------|------------------------------------|

| | |
|-----------------------|------------|
| OEL chemical category | Carcinogen |
|-----------------------|------------|

Switzerland - Occupational Exposure Limits

| | |
|-------------------|----------------------|
| MAK (OEL TWA) [1] | 35 mg/m ³ |
|-------------------|----------------------|

| | |
|-------------------|--------|
| MAK (OEL TWA) [2] | 10 ppm |
|-------------------|--------|

| | |
|-----------------|----------------------|
| KZGW (OEL STEL) | 35 mg/m ³ |
|-----------------|----------------------|

| | |
|-----------------------|--------|
| KZGW (OEL STEL) [ppm] | 10 ppm |
|-----------------------|--------|

| | |
|-----------------------|------------------------|
| OEL chemical category | Category C2 carcinogen |
|-----------------------|------------------------|

USA - ACGIH - Occupational Exposure Limits

| | |
|---------------------|--------|
| ACGIH OEL TWA [ppm] | 10 ppm |
|---------------------|--------|

| | |
|----------------------|--------|
| ACGIH OEL STEL [ppm] | 15 ppm |
|----------------------|--------|

| | |
|-------------------------|--|
| ACGIH chemical category | Confirmed Animal Carcinogen with Unknown Relevance to Humans |
|-------------------------|--|

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Ethene (74-85-1)

Belgium - Occupational Exposure Limits

| | |
|-----------------------|------------|
| OEL TWA | 233 mg/m³ |
| OEL TWA [ppm] | 200 ppm |
| OEL chemical category | Asphyxiant |

Finland - Occupational Exposure Limits

| | |
|-------------------|---|
| HTP (OEL TWA) [2] | 200 ppm (suffocating gas that displaces oxygen) |
|-------------------|---|

Ireland - Occupational Exposure Limits

| | |
|-----------------------|----------------------|
| OEL TWA [2] | 200 ppm |
| OEL STEL [ppm] | 600 ppm (calculated) |
| OEL chemical category | Simple asphyxiant |

Latvia - Occupational Exposure Limits

| | |
|---------|-----------|
| OEL TWA | 100 mg/m³ |
|---------|-----------|

Lithuania - Occupational Exposure Limits

| | |
|----------------|-----------|
| IPRV (OEL TWA) | 100 mg/m³ |
|----------------|-----------|

Portugal - Occupational Exposure Limits

| | |
|-----------------------|---|
| OEL TWA [ppm] | 200 ppm |
| OEL chemical category | A4 - Not Classifiable as a Human Carcinogen |

Slovakia - Biological limit values

| | |
|-----|--|
| BLV | 180 µg/l Medium: red blood cells - Sampling time: not critical |
|-----|--|

Spain - Occupational Exposure Limits

| | |
|----------------------|---------|
| VLA-ED (OEL TWA) [2] | 200 ppm |
|----------------------|---------|

Sweden - Occupational Exposure Limits

| | |
|----------------------|------------|
| NGV (OEL TWA) | 330 mg/m³ |
| NGV (OEL TWA) [ppm] | 250 ppm |
| KTV (OEL STEL) | 1200 mg/m³ |
| KTV (OEL STEL) [ppm] | 1000 ppm |

Switzerland - Occupational Exposure Limits

| | |
|-----------------------|--------------------|
| MAK (OEL TWA) [1] | 11500 mg/m³ |
| MAK (OEL TWA) [2] | 10000 ppm |
| OEL chemical category | Category 2 mutagen |

USA - ACGIH - Occupational Exposure Limits

| | |
|-------------------------|--|
| ACGIH OEL TWA [ppm] | 200 ppm |
| ACGIH chemical category | Not Classifiable as a Human Carcinogen |

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:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

No special technical protective measures are necessary

Hand protection:

No special technical protective measures are necessary

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. 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 | : Solid |
| Colour | : Transparent |
| Odour | : Odorless |
| Odour threshold | : Not available |
| Melting point | : 80 - 90 °C |
| Freezing point | : Not applicable. |
| Boiling point | : Not available |
| Flammability | : Non flammable. |
| Explosive limits | : Not applicable. |
| Lower explosion limit | : Not applicable. |
| Upper explosion limit | : Not applicable. |
| Flash point | : Not applicable. |
| Auto-ignition temperature | : Not applicable. |
| Decomposition temperature | : Not available |
| pH | : Not available |
| pH solution | : Not available |
| Viscosity, kinematic | : Not applicable. |
| Solubility | : 0.98 - 1.00 g/mL |
| Partition coefficient n-octanol/water (Log Kow) | : Vinyl acetate (108-05-4): 0.73 Ethene (74-85-1): 0.053 |
| Vapour pressure | : Not available |
| Vapour pressure at 50 °C | : Not available |
| Density | : Not available |
| Relative density | : Not available |
| Relative vapour density at 20 °C | : Not applicable. |

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| | |
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| Particle size | : Not available |
| Particle size distribution | : Not available |
| Particle shape | : Not available |
| Particle aspect ratio | : Not available |
| Particle aggregation state | : Not available |
| Particle agglomeration state | : Not available |
| Particle specific surface area | : Not available |
| Particle dustiness | : Not 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

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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

heat, flames or sparks.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

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 hazard classes as defined in Regulation (EC) No 1272/2008

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

Vinyl acetate (108-05-4)

| | |
|-----------------------------|-------------|
| LD50 oral rat | 2900 mg/kg |
| LD50 dermal rabbit | 2335 mg/kg |
| LC50 Inhalation - Rat [ppm] | 3680 ppm/4h |

Ethene (74-85-1)

| | |
|-----------------------------|----------------|
| LC50 Inhalation - Rat [ppm] | > 57000 ppm/4h |
|-----------------------------|----------------|

| | |
|-----------------------------------|------------------|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |

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Carcinogenicity : Not classified

Vinyl acetate (108-05-4)

IARC group 2B - Possibly carcinogenic to humans

Ethene (74-85-1)

IARC group 3 - Not classifiable

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

Vinyl acetate (108-05-4)

STOT-single exposure May cause respiratory irritation.

Ethene (74-85-1)

STOT-single exposure May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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Viscosity, kinematic Not applicable.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

: 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 at a concentration equal to or greater than 0,1 %

11.2.2. Other information

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

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Vinyl acetate (108-05-4)

LC50 - Fish [1] 14 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

LC50 - Fish [2] 15.04 – 21.54 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Vinyl acetate (108-05-4)

Partition coefficient n-octanol/water (Log Pow) 0.73

Ethene (74-85-1)

BCF - Fish [1] 4 – 4.6

Hotmelt Glue Stick

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Ethene (74-85-1)

| | |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | 0.053 |
|---|-------|

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Hotmelt Glue Stick

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: 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 at a concentration equal to or greater than 0,1 %

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|---|---------------|---------------|---------------|---------------|
| 14.1. UN number or ID number | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

Not regulated

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Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

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) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

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.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

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 | 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 |

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Abbreviations and acronyms:

| | |
|---------|--|
| 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 |
| ED | Endocrine disrupting properties |

Data sources

Training advice

: Loli.

: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H- and EUH-statements:

| | |
|---------------------------|---|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Carc. 2 | Carcinogenicity, Category 2 |
| Flam. Gas 1 | Flammable gases, Category 1 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| H220 | Extremely flammable gas. |
| H225 | Highly flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |

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| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Press. Gas | Gases under pressure |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |

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.