

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2015/830,
According to REGULATION (EC) No 1272/2008

Hot melt glue stick

Version 1.0

Issue date: 13-04-2021

Revision date: 13-04-2021

SDS Record Number: C555-TCO-010-140783

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: Hot melt glue stick

Additional identification: Not available

Identification of the product: See section 3

Index Number: See section 3

REACH registration No.: See section 3

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

1.2.1 Identified uses:

Adhesive.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): -

Supplier(Manufacturer): Jiande Tiantian Viscose Factory

Address: Jinfeng Road, Functional area, chengnan industry, Meicheng Town,jiande
Zhejiang Province

Contact person(E-mail): shou.tt@163.com

Telephone: +86-571-64147176

Fax: -

1.4 Emergency telephone Number:

+86-571-64147176 Only available during office hours (9:00a.m.-17:30p.m.)

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance or mixture:

2.1.1 Classification:

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

| REGULATION (EC) No 1272/2008 | |
|----------------------------------|------------------|
| Hazard classes/Hazard categories | Hazard statement |
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2 | H319 |
| STOT SE 3 | H335 |
| Aquatic Chronic 3 | H412 |

For full text of H- phrases: see section 2.2.

2.2 Label elements:

Product name: Hot melt glue stick

Version #: 1.0

Issue date: 13-04-2021.

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SDS EU

1 / 7

Hazard Pictograms:**Signal Word(S):**

Warning

Hazard Statement:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

Precautionary statement:

P261: Avoid breathing dust/fume/ gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

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

P302 + P352: IF ON SKIN: Wash with plenty of water.

P304 + P340: IF INHALED: remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a poison center/doctor if you feel unwell.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

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

P362 + P364: Take off contaminated clothing and wash it before reuse.

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

P501: Dispose of contents/container in accordance with local regulation.

2.3 Other hazards:

Not applicable.

Section 3 Composition/information on ingredients**Substance/Mixture:**

Mixture

Ingredient(s):

| Chemical Name | Registration No. | CAS No. | EC No. | Concentration | Classification |
|--|---------------------------|------------|-----------|---------------|---------------------------------------|
| Vinyl Acetate and Ethylene | N/A | 24937-78-8 | N/A | 50-70% | Not Classified |
| 3a,4,7,7a-tetrahydro-4,7-methanoindene | 01-21194636 01-44-xxxx | 77-73-6 | 201-052-9 | 15-23% | H225 H302 H315 H319 H330 H335 H411 |
| Rosin resin | N/A | 8050-26-8 | 232-479-9 | 15-27% | Not Classified |

Section 4 First aid measures**4.1 Description of first aid measures:**

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Move to fresh air. Oxygen or artificial respiration if needed. Victim to lie down in the recovery position, cover and keep him warm. Call a physician immediately.

4.1.2 In case of skin contact:

Wash with plenty of water. Take off contaminated clothing and shoes. Wash contaminated clothing before re-use.

4.1.3 In case of eyes contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In the case of difficulty of opening the lids, administer an analgesic eye wash (oxybuprocaine). Call a physician or poison control centre immediately. Take victim immediately to hospital.

4.1.4 In case of ingestion:

Call a physician or poison control centre immediately. Take victim immediately to hospital. If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Artificial respiration and/or oxygen may be necessary.

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

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

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

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Water with full jet.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released: carbon monoxide, carbon dioxide.

5.3 Advice for firefighters:

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Wear chemical resistant oversuit. Cool containers / tanks with water spray.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Prevent further leakage or spillage if safe to do so. Keep away from Incompatible products.

6.1.2 For emergency responders: Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ventilate the area. Wear suitable protective clothing.

6.2 Environmental Precautions:

Should not be released into the environment. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for Containment and Cleaning up:

Sweep up and shovel into suitable containers for disposal. Keep in properly labelled containers. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures: Use only equipment and materials which are compatible with the product. Keep away from Incompatible products. To avoid thermal decomposition, do not overheat. Preferably transfer by pump or gravity.

7.1.2 Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Keep in a dry and well-ventilated place. Keep container tightly closed.

Store locked up. Store away from incompatible materials.

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

| Country | Substance | EINECS No. | CAS No. | Occupational Exposure Limit Value (8-hour reference period) | | Occupational Exposure Limit Value (15-minute reference period) | | |
|---------|--|------------|---------|---|--------|--|--------|------|
| | | | | ppm | mg/ m3 | ppm | mg/ m3 | Note |
| Ireland | 3a,4,7,7a-tetrahydro-4,7-methanoindene | 201-052-9 | 77-73-6 | 5 | 30 | - | - | - |

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Ensure adequate ventilation. Apply technical measures to comply with the occupational exposure limits.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Chemical resistant goggles.

Hand protection: Impervious gloves.

Body protection: Wear suitable protective clothing.

Respiratory protection: Suitable respiratory protective device recommended.

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment.
According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

| | |
|---|---------------|
| Appearance: | Solid |
| Colour: | White |
| Odour: | Not available |
| Odour threshold: | Not available |
| pH: | Not available |
| Melting point/range (°C): | 80-83°C |
| Boiling point/range (°C): | Not available |
| Flash point (°C): | Not available |
| Evaporation rate: | Not available |
| Flammability limit - lower (%): | Not available |
| Flammability (solid, gas): | Not available |
| Ignition temperature (°C): | Not available |
| Upper/lower explosive limits: | Not available |
| Vapour pressure (20°C): | Not available |
| Vapour density: | Not available |
| Relative Density: | Not available |
| Bulk density (kg/m³): | Not available |
| Water solubility (g/l): | Not available |
| n-Octanol/Water (log Po/w): | Not available |
| Auto-ignition temperature: | Not available |
| Decomposition temperature: | Not available |

| | |
|---|---------------|
| Viscosity, dynamic (mPa.s): | Not available |
| Explosive properties: | Not available |
| Oxidising properties: | Not available |
| 9.2. Other information: | |
| Fat solubility(solvent-oil to be specified) | Not available |
| etc: | |
| Surface tension: | Not available |
| Dissociation constant in water(pKa): | Not available |
| Oxidation-reduction Potential: | Not available |

Section 10 Stability and reactivity

| | |
|---|---|
| 10.1 Reactivity: | The substance is stable under normal storage and handling conditions. |
| 10.2 Chemical stability: | Stable at room temperature in closed containers under normal storage and handling conditions. |
| 10.3 Possibility of hazardous reactions: | No dangerous reactions known. |
| 10.4 Conditions to avoid: | Incompatible materials. Avoid high temperatures. |
| 10.5 Incompatible materials: | Oxidizing agents. |
| 10.6 Hazardous decomposition products: | Carbon oxides and other toxic fumes. |

Section 11 Toxicological information

11.1 Information on toxicological effects:

| | |
|--|-----------------------------------|
| Acute toxicity: | |
| ATE_{mix}(oral): | >2000 mg/kg |
| ATE_{mix}(inhalation): | Not available |
| ATE_{mix}(Dermal): | > 4000 mg/kg bw |
| 3a,4,7,7a-tetrahydro-4,7-methanoindene (CAS: 77-73-6) | |
| LD50(Oral, Rat): | 590 mg/kg bw |
| LC50(Inhalation, Rat): | Not available |
| LD50(Dermal, Rat): | > 2000 mg/kg bw |
| Skin corrosion/Irritation: | Causes skin irritation. |
| Serious eye damage/irritation: | Causes serious eye irritation. |
| Respiratory or skin sensitization: | Not classified |
| Germ cell mutagenicity: | Not classified |
| Carcinogenicity: | Not classified |
| Reproductive toxicity: | Not classified |
| STOT- single exposure: | May cause respiratory irritation. |
| STOT-repeated exposure: | Not classified |
| Aspiration hazard: | Not classified |

Section 12 Ecological information

12.1 Toxicity:

3a,4,7,7a-tetrahydro-4,7-methanoindene (CAS: 77-73-6)

Acute (short-term) toxicity:

| | |
|---|---------------|
| LC50(96h, Fish): | 15.7 mg/L |
| EC50 (48h, Crustacea): | 4.2 mg/L |
| EC50(72h, Algae/aquatic plants): | Not available |

| | |
|---|----------------|
| Chronic (long-term) toxicity: | |
| NOEC(Fish): | 0.98 mg/L |
| NOEC(Crustacea): | 0.574 mg/L |
| EC50(Algae/aquatic plants): | Not available |
| 12.2 Persistence and degradability: | Not available. |
| 12.3 Bioaccumulative potential: | Not available. |
| 12.4 Mobility in soil: | Not available. |
| 12.5 Results of PBT and vPvB assessment: | Not applicable |
| 12.6 Other adverse effects: | Not available. |

Section 13 Disposal considerations

| | |
|--------------------------------------|--|
| 13.1 Waste treatment methods: | Dispose of in accordance with all applicable local and national regulations. Use recovery/recycling where feasible, otherwise incineration is the recommended method of disposal. Empty containers may contain hazardous residues. Do not cut, puncture or weld on or near to the container. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. |
|--------------------------------------|--|

Section 14 Transport information

| | Land transport (ADR/RID) | Inland waterways (ADN) | Sea transport (IMDG) | Air transport (ICAO/IATA) |
|---|-------------------------------------|-----------------------------------|---------------------------------|--------------------------------------|
| UN number | Not regulated | Not regulated | Not regulated | Not regulated |
| UN Proper shipping name | Not regulated | Not regulated | Not regulated | Not regulated |
| Transport hazard Class(es) | Not regulated | Not regulated | Not regulated | Not regulated |
| Packing group | Not regulated | Not regulated | Not regulated | Not regulated |
| Environmental hazards | No | No | No | No |
| Special precautions for user | See section 2.2 | See section 2.2 | See section 2.2 | See section 2.2 |
| Transport in bulk according to Annex II of Marpol and the IBC Code | Not regulated | Not regulated | Not regulated | Not regulated |

Section 15 Regulatory information

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

| | |
|--|---|
| Relevant information regarding authorization: | Not applicable. |
| Relevant information regarding restriction: | Not applicable. |
| Other EU regulations: | Employment restrictions concerning young person must be observed. For use only by technically qualified individuals. |
| Other National regulations: | Not applicable |

15.2 Chemical safety assessment

YES NO

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2015/830

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation for rail International transportation of Dangerous goods

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: Code international maritime dangerous goods code

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

| Classification according to Regulation (EC) No. 1272/2008 | | Classification procedure |
|---|------|--------------------------|
| Skin Irrit. 2 | H315 | Calculation method |
| Eye Irrit. 2 | H319 | Calculation method |
| STOT SE 3 | H335 | Calculation method |
| Aquatic Chronic 3 | H412 | Calculation method |

16.5 Relevant H-statements (number and full text):

H225: Highly flammable liquid and vapour.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H330: Fatal if inhaled.

H335: May cause respiratory irritation.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

16.6 Training instructions:

Not applicable.

16.7 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.8 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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