

Material Safety Data Sheet

Product Name: : Hot melt glue stick

Applicant: :

Address: :

Signed by Shanghai ICTS Group



Written by: Monica Fan

Date: 12th October. 2022

Material Safety Data Sheet (MSDS)

Part 1 –Identification of the substance and of the company/undertaking

1.1 Product identification:

Identification on the label

/Trade name: Hot melt glue stick

Common name: Glue stick

1.2. Relevant identified and recommended uses of the substance or mixture:

Purpose: Glue sticks for glue guns

Uses advised against: No Specific uses advised against are identified.

1.3. Manufacturer Information:

Manufacturer:

Address:

Contact person:

Email:

1.4 Emergency contact method:

Contact person:

Telephone:

Email:

Part 2 –Hazards Identification

Emergency overview:

Clear solid, odorless. Following ingestion: Rinse mouth out with water. Never give anything by mouth to an unconscious person. Seek medical treatment

2.1 Classification of the substance or mixture:

GHS label elements: Classification according to (EC) NO. 1272 / 2008 [CLP / GHS]
Classification according to COMMISSION REGULATION (EU) 2020/878
Based on the available data, the classification criteria are not met

2.2 Label elements:

Hazard Pictograms: None

Signal Word(S): None

Hazard Description: No information available.

Preventive instructions:

Waste disposal: P501 This product and container shall be disposed in accordance with local, regional, national and international regulations.

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- Hazardous ingredients:** None.
- 2.3 Physical and chemical hazards:** Currently available information, no physical and chemical hazards.
- 2.4 Health hazards:** Currently available information, no health hazards.
- 2.5 Environmental hazards:** Currently available information, no environmental hazards.
- 2.6 Other hazards:**
- PBT and vPvB assessment results**
- PBT:** Not applicable.
- vPvB:** Not applicable.

Part 3 - Composition/information on ingredients

3.1 Substance

3.2 mixture

Chemical Name	CAS No.	EC No.	Index No.	Reach No.	CLP Classification	Content %
Ethylene vinyl acetate copolymer	24937-78-8	607-457-0	N/A	N/A	Not Classified	60
Petroleum resins	64742-16-1	265-116-8	N/A	N/A	Not Classified	40

The full text of the health claims (H-) mentioned in this section can be found in section 16.

Part 4 –First aid measures

General recommendations: Show this safety technical instruction to the doctor on site.

4.1 Description of first aid measures:

- In case of skin contact:** Wash with soap and water and rinse thoroughly, if skin irritation continues, consult a doctor.
- In case of eyes contact:** Rinse immediately with plenty of clean water for more than 15 minutes. If you wear contact lenses and can easily remove them, remove them. Clean the inside of the eyelid carefully. Seek medical treatment immediately.
- In case of inhalation:** If inhaled, move the patient to fresh air. If breathing stops, carry out artificial breathing.
- In case of ingestion:** Consult a physician if necessary. Do not induce vomiting.

4.2 The most important symptoms and effects, both acute and chronic

The most important known symptoms and effects are described on the label (see Section 2.2) and/or Section 11.

4.3 Signs of need for immediate medical treatment and special treatment

Symptomatic treatment.

After the above measures, contact the doctor and receive the doctor's treatment as needed.

Part 5 - Fire-Fighting measures

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 Tel: +86-21-60345500
 Fax: +86-21-60919230
 E-mail: info@ictsgroup.cn
 Web: www.ictsgroup.cn

- 5.1 Suitable fire extinguishers:** CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Specific hazards arising from the substance or mixture:** Decomposition can lead to release of irritating gases and vapours.
- 5.3 Special protective equipment for firefighters:** Firefighters must wear fire resistant protective equipment. Wear self-contained breathing apparatus.

Part 6 –Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures

- Personal protective measures, protective equipment, emergency measures:**
- Wear protective equipment. Keep unprotected person away.
 - Ensure adequate ventilation.
 - Avoid contact with skin.
 - Use respiratory protective device against the effects of fumes/dust/aerosol.
 - Avoid contact with skin.
 - Avoid contact with eyes.
 - For personal protection, please refer to Part 8.

6.2. Environmental precautions

- Environmental Precautions:** Do not allow product to enter drains.

6.3. Methods and material for containment and cleaning up

- Containment, removal methods and disposal materials used for leaking chemicals:**
- For cleaning up: Pick-up Mechanically
 - Dispose contaminated material as waste according to item 13.

6.4 Refer to other sections:

- For information on safe operation, refer to section 7.
- For information on personal protective equipment, see Section 8.
- See section 13 for disposal information.

Part 7 - Handling and storage

7.1 Handling:

- Precautions for safe handling:**
- Thorough dedusting.
 - Ensure good ventilation/exhaustion at the workplace.
 - Keep receptacles tightly sealed.
 - Keep away from heat and direct sunlight.
 - Prevent formation of dust.
 - Avoid contact with skin and eyes.
 - For the general occupational hygienic measures refer to section 8.

7.2 Storage:

- Storage conditions:**
- Store in a cool location.
 - Store only in original receptacle.
- Requirements for storage rooms and vessels:** Store away from foodstuffs.

Protect from humidity and water.

Do not store together with acids.

Further information on storage conditions: Store in cool, dry conditions in well-sealed receptacles.

7.3. Specific end use(s) : No information.

Part 8 - Exposure control/personal protection

8.1 Occupational exposure limits:

Component	Source	Control parameters
Ethylene vinyl acetate copolymer	OSHA PEL	N/A
	ACGIH TLV	N/A
	NIOSH IDLH	N/A
	EU regulation	N/A
Petroleum resins	OSHA PEL	N/A
	ACGIH TLV	N/A
	NIOSH IDLH	N/A
	EU regulation	N/A

8.2 Exposure controls :

Engineering measures: An exhaust system is required. Safety shower and eyewash facilities.

Individual protection measures, such as personal protective equipment:



Respiratory Protection: When dust and steam are generated
 Use in large/emergency situations:
 If the exposure limit is exceeded or irritation or other symptoms occur, use a respirator approved by NIOSH/MSHA or EU standard EN136
 Recommended filter type: Particulate filter
 Small-scale/laboratory use: maintain good ventilation

Skin &body protection: Wear appropriate protective clothing.

Eye protection: Safety glasses with side shields (European Standard-EN166).

Hand protection: Full contact
 Material: Nitrile rubber
 Minimum layer thickness 0.11 mm
 Solvent penetration time: 480 minutes
 Splash protection
 Material: Nitrile rubber
 Minimum layer thickness 0.11 mm

Solvent penetration time: 480 minutes

Hygienic protection:

Wash hands with soap and clean water after work. Keep the workplace clean. Fireworks and food are prohibited in the work area. Smoking, drinking and eating are prohibited in the work area. Comply with personnel occupational hygiene requirements.

Part 9 - Physical and chemical properties

9.1 Information on basic physical and chemical properties

General information

Appearance:	Shape of stick
Form:	Solid
Color:	White Clear
Odor:	Odorless
Odor threshold:	No information available
pH-value (50g/l) at 25° C:	Unknown
Change in condition	
Melting point/Melting range:	80 - 90°C
Freezing point:	No information available
Boiling point/Boiling range:	No information available
Flash point:	240°C
Flammability (solid, gaseous):	No information available
Auto-Ignition Temperature	300 ~ 350°C
Decomposition Temperature	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapor pressure:	No information available
Temperature Resistance:	-30°C to 70°C
Density:	0.96 - 1.00 g/ml
Relative density:	No information available
Vapor density:	No information available
Evaporation rate:	No information available
Solubility in/Miscibility with water	Insoluble
Partition coefficient (n-octanol/water):	No information available
Viscosity:	≧ 13,000 @ 350°F (176°C)centipoise
Dynamic	
Kinematic:	
9.2 Other information:	No further relevant information available

Part 10 - Stability and reactivity

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 Tel: +86-21-60345500
 Fax: +86-21-60919230
 E-mail: info@ictsgroup.cn
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10.1 Reactivity:	There are no known dangerous reactions.
10.2 Stability:	This product is chemically stable under standard ambient conditions .
10.3 Hazardous reactions:	There are no known dangerous reactions.
10.4 Conditions to avoid:	Exposure to moisture may affect product quality.
10.5 Incompatibility:	Acids.
10.6 Harmful decomposition products:	In case of fire, it will decompose into harmful substances- Carbon oxides, Calcium oxides, Iron oxides

Part 11 –Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:	No known significant effects or critical hazards.
Skin irritation or corrosion:	No known significant effects or critical hazards.
Eye irritation or corrosion:	No known significant effects or critical hazards.
Skin/ Respiratory sensitization:	No known significant effects or critical hazards.
Germ cell mutagenicity:	No known significant effects or critical hazards.
Carcinogenicity:	No known significant effects or critical hazards.
Reproductive toxicity:	No known significant effects or critical hazards.
Specific target organ system toxicity - single exposure:	No known significant effects or critical hazards.
Specific target organ system toxicity - repeated exposure:	No known significant effects or critical hazards.
Aspiration hazard:	No known significant effects or critical hazards.
11.2 Information on other hazards:	No data available.

Part 12 –Ecological information

12.1 Acute toxicity:	No further relevant information available.
12.2 Persistence and degradability:	No further relevant information available.
12.3 Bioaccumulative potential :	No further relevant information available.
12.4 Mobility in soil:	No further relevant information available.
12.5 PBT and vPvB assessment results:	
PBT:	No data available.
vPvB:	No data available.
12.6 Endocrine disrupting properties :	No data available.
12.7 Other adverse effects:	No data available.

Part 13–Disposal considerations

13.1 Waste treatment methods

Product: Dispose of residual and non-recyclable solution to a licensed company.

Packaging:	Please refer to the relevant laws and regulations of your country or region before disposal.
13.2 Notes on disposal:	Please refer to the relevant laws and regulations of your country or region before disposal.

Part 14 - Transport information

14.1.UN Number:	Non hazardous chemicals.
ADR, IMDG, IATA	
14.2.UN proper shipping name:	Non hazardous chemicals.
ADR, IMDG, IATA	
14.3.Transport hazard class(es):	Non hazardous chemicals.
ADR, IMDG, IATA	
Secondary risk:	Non hazardous chemicals.
14.4.Packing group	Non hazardous chemicals.
ADR, IMDG, IATA	
14.5.Environmental hazard:	ADR/RID European Agency for Road Transport / European Agency for Rail Transport: No International Maritime Dangerous Goods Code (IMDG) Marine Pollutants (Yes/No) : No International Air Transport Dangerous Regulations: No Please select suitable transportation means and corresponding transportation and storage conditions according to the nature of chemicals. The means of transport shall be equipped with fire-fighting materials and leakage emergency treatment equipment of the corresponding variety and quantity. If you choose road transportation, please follow the prescribed route.
14.6.Transportation Notes:	
14.7. Maritime transport in bulk according to IMO instruments :	No data available.

Part 15 –Regulation information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture :
 This safety data sheet complies with the requirements of Regulation (EC) No 1272/2008[EU-GHS/CLP]
 This Safety Data Sheet complies with the requirements of COMMISSION REGULATION (EU) 2020/878

Classification and labelling are carried out according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

15.2 Chemical safety assessment

For this mixture, no chemical safety assessment has been carried out.

Part 16 –Other information

MSDS Tabulation Date:12th October. 2022

Abbreviations and acronyms:

Shanghai ICTS Inspection Center, Ltd
 Tel: +86-21-60345500
 Fax: +86-21-60919230
 E-mail: info@ictsgroup.cn
 Web:www.ictsgroup.cn

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RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
vPvB: very Persistent and very Bioaccumulative
ACGIH: American Conference of Governmental Industrial Hygienists (USA)
OSHA: Occupational Safety and Health Administration (USA)
NTP: National Toxicology Program (USA)
IARC: International Agency for Research on Cancer
EPA: Environmental Protection Agency (USA)

This MSDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. Products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility

END OF REPORT.