

GLUE STICK

This MSDS Conforms to Regulation (EC) No 1907/2006, Reg. (EC) No. 1272/2008 and their Amendments

Revision Date: Feb. 22, 2016
Issue Date: Feb. 22, 2016

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

1.1 Product Identifier

Product name: Glue Stick

1.2 Relevant identified uses of the substance or mixture

Relevant Identified uses: Adhesive for paper, card and photographs.

Uses advised against: No data available

1.3 Details of the supplier of the safety data sheet

Company name NINGBO PASCO UNITED INDUSTRY CO., LTD.

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ZHEJIANG, CHINA

Email: james@chinapasco.com

Telephone: +(86) 574-6229 8877

1.4 Emergency telephone number

Emergency Phone: China +86-574-6229 8877(China Beijing Time: 8:00am – 5:00pm)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The mixture is not classified as dangerous based on Regulation (EC) No. 1272/2008.

2.2 Label elements

The mixture does not need to be labeled in accordance with Regulation (EC) No. 1272/2008.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/Information on ingredients

3.2 Composition

Chemical characterization: Mixtures.

Consisting of the following components:

<i>Ingredient</i>	<i>Conc.(%)</i>	<i>CAS NO.</i>	<i>EC No.</i>	<i>Classification according to CLP</i>
<i>water</i>	>49.90	7732-18-5	231-791-2	None
<i>Polyvinyl pyrrolidone</i>	<22.50	9003-39-8	-	None
<i>Sdium stearate</i>	<7.80	822-16-2	212-490-5	None
<i>glycerol</i>	<13.00	56-81-5	200-289-5	None

Propylene glycol	<6.50	57-55-6	200-338-0	None
Sodium p-chloro-m-cresolate	<0.30	15733-22-9	239-825-8	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318
1-vinyl-2-pyrrolidone	<0.022	88-12-0	201-800-4	Acute Tox. 4 *, H302 Acute Tox. 4 *, H312 Eye Dam. 1, H318 Acute Tox. 4 *, H332 STOT SE 3, H335 Carc. 2, H351 STOT RE 2 *, H373
Apple fragrance	<0.025	659-70-1	211-536-1	None
		120-51-4	204-402-9	
		141-97-9	205-516-1	
		88-41-5	201-828-7	
		84-66-2	201-550-6	

SECTION 4: First aid measures

4.1 Description of first aid measures

- General:** No data available.
- Inhalation:** If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
- Skin contact:** If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
- Eye contact:** If this product comes in contact with eyes: Wash out immediately with water. If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
- Ingestion:** Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

- Fire Fighting:** Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves for fire only. Prevent, by any means available, spillage from entering drains or water courses. Use fire-fighting procedures suitable for surrounding area.
- Fire/Explosion Hazard:** None combustible. Not considered a significant fire risk, however containers may burn. May emit corrosive fumes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protective Equipment: Not required.

6.2 Environmental precautions

Not applicable.

6.3 Methods and material for containment and cleaning up

Not applicable.

6.4 Reference to other sections

Personal protective equipment advice is contained in Section 8 of the MSDS

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Safe handling:** Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps.
- Fire and explosion protection :** See section 5
- Other information:** Store in original containers. Keep containers securely sealed. Store in a cool, dry area protected from environmental extremes. Store away from incompatible materials and foodstuff containers.

7.2 Conditions for safe storage, including any incompatibilities

Storage incompatibility: No data available.

Package material incompatibilities: No data available.

7.3 Specific end uses

See section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits(OEL):

Source	Material	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³	Peak ppm	Peak mg/m ³	TWA F/CC	Notes
UK Workplace Exposure Limits(WELs)	glue stick (Propylene glycol total vapour and particulates)		10						
UK Workplace Exposure Limits(WELs)	glue stick (Propylene glycol total vapour)	150	474						

	<i>and particulates)</i>								
UK Workplace Exposure Limits(WELs)	Glue stick (Glycerol, mist)		10						

8.2 Exposure controls

Appropriate engineering controls:

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

Personal protection:

Eye and face protection: IF necessary, safety glasses with side shields. Chemical goggles.

Skin protection: See Hand protection: below

Hand protection: Safety Gloves.

Body Protection: See Other protection: below

Other Protection: Overalls. Barrier cream. Skin cleansing cream.

Respiratory protection: Type A-P Filter of sufficient capacity. (AS/NZS 1716&1715, EN 143:2000&149:2001, ANSI Z88 or national equivalent)

Thermal hazards: No data available

Recommended material(s): Not applicable

Environmental exposure controls: See section 12

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Form: Solid Colour: white
Odour	Valid odor
Odour Threshold	No data available
PH	10.5-11.5
Melting point/freezing point	55-75°C
Boiling point/Boiling range	No data available
Flash point	No data available
Flammability(solid, gaseous)	No data available
Ignition temperature	No data available
Decomposition temperature	No data available
Self-igniting	Product is not self-igniting
Danger of explosion	Product does not present an explosion hazard.
Explosion limits	No data available
Vapor pressure at 20°C	No data available
Relative density	1.00-1.10g/ml
Water solubility	No data available

9.2 Other safety information

No further relevant information available

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available

10.2 Chemical stability

Product is considered stable and hazardous polymerisation will not occur.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

See section 5.3

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Mutagenicity: No data available.

Reproductive Toxicity: No data available.

Carcinogenicity: **1-vinyl-2-pyrrolidone(88-12-0):**
IARC Group 3: Not classifiable as to its carcinogenicity to humans.
CLP Carcinogenicity Category 2: Suspected of causing cancer.

STOT-single exposure: No data available.

Irritation: No data available.

Sensitisation: No data available.

SECTION 12; Ecological information**12.1 Toxicity**

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations**13.1 Waste Disposal Method**

Product: Containers may still present a chemical hazard/danger when empty. Return to supplier for reuse.

Packaging disposal: recycling if possible. Otherwise: If container can not be cleaned sufficiently

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well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill. Where possible retain label warnings and MSDS and observe all notices pertaining to the product. Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waster management Authority for disposal. Bury residue in an authorised landfill. Recycle containers if possible, or dispose of in an authorised landfill.

Waste treatment options: According to local regulation
Sewage disposal options: No relevant data
Other disposal recommendations: No data available

SECTION 14: Transport information**Label Required:** No**Land transport(ADR/RID/GGVSE):**

No data available.

Air transport (ICAO-IATA/DGR):

No data available.

Sea transport(IMDG-Code/GGVSee):

No data available.

Inland waterways transport(ADNR/RIVER Rhine):

No data available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:

No data available

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture**

This safety data sheet is in compliance with the following EU legislation: 98/24/EC, 92/85/EEC, 94/33/EC, 91/689/EEC, 1999/13/EC, Regulation(ECO No 1907/2006, Regulation(EC) No 1272/2008, and their amendments as well as the following British legislation:

- The Control of Substances Hazardous to Health Regulations(COSHH) 2002
- COSHH Essentials
- The Management of Health and Safety at Work Regulations 1999

SECTION 16: Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources using available literature references. The MSDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H351: Suspected of causing cancer.

H373: May cause damage to organs through prolonged or repeated exposure.