
MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT **Glue Stick**

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **Glue Stick**

SYNONYMS:

PRODUCT CODES: 8g PVP,15g PVP, 20g PVP, 25gPVP,36g PVP,40g PVP.

MANUFACTURER: **Tung Yung International Ltd.**

DIVISION:

ADDRESS: **1-2/F,Block B1,No 193 Jinlong Road, Dalong Street,Panyu District,Guangzhou China.**

PHONE: +8620-84766778

CHEMICAL NAME: Polyvinylpyrrolidone, PVP

CHEMICAL FAMILY:

CHEMICAL FORMULA:

PRODUCT USE: ADHESION

SECTION 1: Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: 1, Aqua 2, Polyvinylpyrrolidone, PVP 3, Glycerin 4, Sodium Stearate

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
7732-18-5	62%	N, A	none toxic chemical subject
9003-39-8	24%	N, A	none toxic chemical subject
56-81-5	9%	N, A	none toxic chemical subject
822-16-2	5%	N, A	none toxic chemical subject
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	N, A	N, A	
OSHA PEL STEL :	N, A	N, A	
OSHA PEL CEILING:	N, A	N, A	
ACGIH TLV-TWA:	N, A	N, A	
ACGIH TLV STEL:	N, A	N, A	
ACGIH TLV CEILING:	N, A	N, A	

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: A glue stick product, intended for use as an Artists Material and which may be used by individuals age three and above. The formulation is typical of a product of this type, and would not be expected to pose an undue risk to consumers. As with all adhesives the material might bind to the membranes of the eye should such contact occur.

Resultantly individuals should be advised to keep the product away from their eyes.

All of the ingredients within the Product are listed on the US TSCA Inventory and as such should not require further registration for use in a product of this nature. The product is also considered compliant with the LHAMA legislation governing Artists Materials, whose essential requirement is that products be safe for their intended use,

and that in particular any acute or chronic hazards associated with the product are identified on the product label.

The major risk posed by the product will be that of binding to the membranes of the eyes, and assuming the product is labeled appropriately it would comply with these requirements.

ROUTES OF ENTRY:

POTENTIAL HEALTH EFFECTS

EYES: If the product accidentally enters the eye it may bind to the eye membranes and make removal difficult. May irritate the eye.

SKIN: The product as supplied may cause only minimal skin irritation even if exposure is prolonged or repeated. Exposure to this product is unlikely to result in photo-toxic effects. Unlikely to cause sensitisation following repeated skin contact. Unlikely to produce systemic toxicity following skin contact.

INGESTION: All materials if swallowed in large amounts have the potential to cause injury. If incidentally swallowed in small amounts, may cause some irritation to the mouth and upper digestive tract. Not expected to produce systemic toxicity following ingestion. All materials if swallowed in large amounts have the potential to cause injury.

INHALATION: Obtain medical advice if you get sick.

ACUTE HEALTH HAZARDS: Not an immediate health hazard.

CHRONIC HEALTH HAZARDS: None of components present in this product at concentrations equal to or greater than 0.1% have been listed by NTP, classified by IARC, nor regulated by OSHA as a carcinogen.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NOT REGULATED

CARCINOGENICITY

OSHA: NA
OTHER: NA

ACGIH: NA

NTP: NA

IARC: NA

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of clean water, holding the eyelids apart and seek medical advice.

SKIN: Remove contaminated clothing. Wash skin thoroughly with soap and water. Do not use solvents!

INGESTION: If accidentally swallowed obtain immediate medical attention. Do not induce vomiting. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

INHALATION: Obtain medical advice if you get sick.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N, A
(% BY VOLUME) LOWER: N, A

FLASH POINT:

F:

C: >130°C

METHOD USED:

AUTOIGNITION TEMPERATURE: Will not burn unless water has evaporated.

F:

C:

NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0
OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

PROTECTION: 0

EXTINGUISHING MEDIA:

SPECIAL FIRE FIGHTING PROCEDURES: N,A

UNUSUAL FIRE AND EXPLOSION HAZARDS: N,A

HAZARDOUS DECOMPOSITION PRODUCTS: N,A

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

Personal; Ventilate the area and avoid breathing the vapors.

Environmental: Do not allow to enter drains. In case of uncontrolled discharge into natural bodies of soil inform local authorities

Procedure for

Soaking up/cleaning Contain and soak up spillage with non-combustible material, like sand or diatomaceous earth and place in container for disposal according to local regulations Clean preferably with soap or other suitable detergents Do not use solvents

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Handle in accordance with good industrial hygiene and safety practices. Keep from freezing Store in a cool, dry place. Keep containers tightly closed.

OTHER PRECAUTIONS: N, A

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: No special control measures necessary under normal conditions of use.

VENTILATION : No special measures necessary under normal conditions of use

RESPIRATORY PROTECTION: No special measures necessary under normal conditions of use

EYE PROTECTION: No special measures necessary under normal conditions of use

SKIN PROTECTION: No special measures necessary under normal conditions of use

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No special measures necessary under normal conditions of use

WORK HYGIENIC PRACTICES: None established.

EXPOSURE GUIDELINES: None established.

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

ODOR: mild, fruity

PHYSICAL STATE: white semi-solid

pH AS SUPPLIED: 8.5

pH (Other):

BOILING POINT:

F:

C: 100°C
MELTING POINT:
F:
C: N, A
FREEZING POINT:
F:
C: N, A
VAPOR PRESSURE (mmHg):
@
F:
C:
VAPOR DENSITY (AIR = 1):
@
F:
C: N, A
SPECIFIC GRAVITY (H2O = 1):
@
F:
C: 1.01±0.05g/ml (25°C)
EVAPORATION RATE:
BASIS (=1): N, A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: Completely soluble

PERCENT SOLIDS BY WEIGHT: 38%

PERCENT VOLATILE: N, A
BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC): 0

WITH WATER: LBS/GAL
WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT: N, A

VISCOSITY: N, A

@

F:

C:

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY:

CONDITIONS TO AVOID (STABILITY): Exposure to heat and flame:

INCOMPATIBILITY (MATERIAL TO AVOID): Keep away from oxidizing agents, strongly alkaline strongly acid materials

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known,

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): Will not occur.

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: There are no data available on the preparation itself. Repeated or prolonged contact may lead to skin degreasing.

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: There are no data available on the preparation itself. The product should not be allowed to enter drains and natural requirements.

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Recover free liquid, absorb residue and dispose of according to local, state/provincial, and natural bodies of water.

RCRA HAZARD CLASS: N, A

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

SECTION 13 NOTES: Recover free liquid, absorb residue and dispose of according to local, state/provincial, and natural bodies of water.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: NOT SPECIFIED

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION NOT SPECIFIED

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

AIR TRANSPORTATION NOT SPECIFIED

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

OTHER AGENCIES: N, A

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All reportable chemical substances listed on the TSCA Inventory
We rely on certification of compliance from our suppliers.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): All the substances applied in the product meet the requirements of the act,

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: Does not meet any hazard category

313 REPORTABLE INGREDIENTS: This product contains no toxic chemical subject to the reporting requirements of Section 313 of Title III of the Super. fund Amendments and Reauthorization Act of 1986. And Subpart C-Supplier Notification Requirement of 40 CFR Part 372

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: The foregoing information reflects our current knowledge and does not have the purpose of guaranteeing product properties, the users working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instructions.

PREPARATION INFORMATION: Mr. Lu, Research chemist- Safety, Health & Regulatory affairs, R&D Department of Jiali Research Lab:

DISCLAIMER: The OSHA Hazard Communication Standard 29 CFR 1910.1200 and the Workplace Hazardous Materials information System (WHMIS) require that the information contained in these sheets be made available to you workers. Educates and train your workers regarding OSHA and WHMIS precautions. Instruct your workers to handle this product properly consult with appropriate experts to guard against hazards associated with use of this product and its ingredients. Take all necessary steps in order to fulfill the requirements laid down in the local rules and legislations.