



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT Glue Stick

FILE NO.: 20110128

MSDS DATE: 4/1/2013

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Glue Stick  
SYNONYMS:  
PRODUCT CODES: UNV-75748/ UNV-75750/ UNV-75752  
MANUFACTURER: JIALI STATIONERY CO.LTD  
DIVISION:  
ADDRESS: JILI INDUSTRIALAREA NANZHUANGTOWNFOSHAN CITY GUANGDONG, CHINA  
Tel: +86-757-85380783

EMERGENCY PHONE: +86-757-85320283  
CHEMTREC PHONE: +86-757-85380783  
OTHER CALLS:  
FAX PHONE: +86-757-85323919

CHEMICAL NAME: Polyvinylpyrrolidone, PVP  
CHEMICAL FAMILY:  
CHEMICAL FORMULA:

PRODUCT USE: ADHESION  
PREPARED BY: OAI NKY PHARMACEUTICALS LTD.

### SECTION 1 NOTES:

## 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

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**CARCINOGENICITY**

<b>OSHA:</b>	<b>ACGIH:</b>	<b>NTP:</b>	<b>IARC:</b>
<b>OTHER:</b>			

**SECTION 3 NOTES:**

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**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 medicate 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:**

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**SECTION 5: FIRE-FIGHTING MEASURES**

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

**FLASH POINT:**

**F:**

**C:** >130°

**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:

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**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:

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**SECTION 7: HANDLING AND STORAGE**

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**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:

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**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**

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APPEARANCE:

ODOR: mild, fruity

PHYSICAL STATE: white semi-solid

pH AS SUPPLIED: 8.5

pH (Other):

BOILING POINT:

F:

C: 100□

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 (H<sub>2</sub>O = 1):

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F:

C: 1.01±0.05g/ml (25□)

EVAPORATION RATE:

BASIS (=1): N, A

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

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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:

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**SECTION 10: STABILITY AND REACTIVITY**

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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:**

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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

**SECTION 11 NOTES:**

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**SECTION 12: ECOLOGICAL INFORMATION**

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**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:**

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**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

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**SECTION 13: DISPOSAL CONSIDERATIONS (con't)**

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

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**SECTION 14: TRANSPORT INFORMATION**

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**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:

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**SECTION 15: REGULATORY INFORMATION**

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**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 art,

**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:

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**SECTION 16: OTHER INFORMATION**

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**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 to cal rules and legislations.