



MATERIAL SAFETY DATA SHEET

GLUE STICK

FILE NO.:

MSDS DATE: 22/02/2007

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: glue stick

SYNONYMS:

PRODUCT CODES: UNV-75748 <ref# TY310-8D>, UNV-75749 <ref# TY310-22D>
UNV-75750 <ref# TY310-22D-12>, UNV-75751 <ref# TY310-36D>
UNV-75752 <ref# TY310-36D-6>

MANUFACTURER: Tung Yung Stationery Manufactory Ltd.

DIVISION:

ADDRESS: Rm 509, Kwong Sang Hong Centre, 151 Hoi Bun Road, Kwun Tong

EMERGENCY PHONE: 852-2750 1188

CHEMTREC PHONE:

OTHER CALLS:

FAX PHONE: 852-2796 0511

CHEMICAL NAME: Water , Polyvinyl alcohol , hydrochloric acid , Sodium hydroxide ,
Stearic acid , Glycerol , Urea

CHEMICAL FAMILY:

CHEMICAL FORMULA: (H₂O), (C₂H₄O)_n, HCL, NaOH, CH₃(CH₂)₁₆COOH, C₃H₈O₃ , CO(NH₂)₂)

PRODUCT USE: Used for two or two above objects glues knot

PREPARED BY:

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Polyvinyl alcohol, stearic acid, glycerol, water, carbamide

CAS NO.	% WT	% VOL	SARA 313 REPORTABLE
9002-89-5	7.65%		
57114	5.5%		
56815	10.0%		
7732-18-5	68.85%		
57136	8%		

OSHA PEL-TWA:
OSHA PEL STEL :
OSHA PEL CEILING:

ACGIH TLV-TWA:
ACGIH TLV STEL:
ACGIH TLV CEILING:

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:**ROUTES OF ENTRY:** contact or ingest**POTENTIAL HEALTH EFFECTS****EYES:** No specific data available.**SKIN:** Essentially non-irritating**INGESTION:** May cause suffocation. Clue Stick includes a vented cap, complying with safely standard ASTM-F963. This standard attempts to minimize the risk to children from accidental inhalation of caps. Non correctly known the effect of eating the colloid.**INHALATION:** May cause suffocation. Clue Stick includes a vented cap, complying with safely standard ASTM-F963. This standard attempts to minimize the risk to children from accidental inhalation of caps. Non correctly known the effect of eating the colloid.**ACUTE HEALTH HAZARDS:** no special attention needed**CHRONIC HEALTH HAZARDS:** no special attention needed**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

CARCINOGENICITY**OSHA:****ACGIH:****NTP:****IARC:****OTHER:****SECTION 3 NOTES:**

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.**SKIN:** If molten material comes in contact with the skin, clean with water.**INGESTION:** Drinking plenty of tepid water or get medical attention immediately.**INHALATION:** Drinking plenty of tepid water or get medical attention immediately.**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:****SECTION 4 NOTES:**

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER:
(% BY VOLUME) LOWER:**FLASH POINT:**
F:

C:
METHOD USED:

AUTOIGNITION TEMPERATURE:
F:
C:

NFPA HAZARD CLASSIFICATION
HEALTH: FLAMMABILITY: REACTIVITY:
OTHER:

HMIS HAZARD CLASSIFICATION
HEALTH: FLAMMABILITY: REACTIVITY:
PROTECTION:

EXTINGUISHING MEDIA:

SPECIAL FIRE FIGHTING PROCEDURES:

UNUSUAL FIRE AND EXPLOSION HAZARDS:

HAZARDOUS DECOMPOSITION PRODUCTS:

SECTION 5 NOTES: Non danger goods, no special attention needed

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

SECTION 6 NOTES: Nothing special

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Non danger goods, no special attention needed.

OTHER PRECAUTIONS:

SECTION 7 NOTES: Suggest the indoor temperature storage

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Non danger goods, no special attention needed.

VENTILATION :

RESPIRATORY PROTECTION:

EYE PROTECTION:

SKIN PROTECTION:

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES:

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Ivory white

ODOR: Aroma

PHYSICAL STATE: Solid

pH AS SUPPLIED: 7-8

pH (Other):

BOILING POINT:

F:

C: 100°C

MELTING POINT:

F:

C: 64-65°C

FREEZING POINT:

F:

C:

VAPOR PRESSURE (mmHg):

@

F:

C: No data available

VAPOR DENSITY (AIR = 1):

@

F:

C: No data available

SPECIFIC GRAVITY (H₂O = 1):

@

F:

C:

EVAPORATION RATE:

BASIS (=1):

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

SOLUBILITY IN WATER: soluble in water

PERCENT SOLIDS BY WEIGHT:

PERCENT VOLATILE: No data available

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC):

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

MOLECULAR WEIGHT:

VISCOSITY: No correctly data available

@

F:

C:

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY:

CONDITIONS TO AVOID (STABILITY): Stable-none identified

INCOMPATIBILITY (MATERIAL TO AVOID):

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

HAZARDOUS POLYMERIZATION:

CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No data available

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No data available

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: All disposals must be in compliance with local laws and regulations.

RCRA HAZARD CLASS:

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

AIR TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES: Not Hazardous for transportation and storage.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS: Safety Standards Complied with ASTM.

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: The above information is believed to be correct but does not purpose to be all inclusive and shall be used only as a guide.

PREPARATION INFORMATION:

DISCLAIMER: