

## 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** KAIDA LIQUID GLUE
- **Registration number:** Not available.
- **Application of the substance / the preparation:** Craft bond/Adhesive
- **Manufacturer/Supplier:**  
ZHEJIANG KAIDA STATIONERY CO., LTD.  
BRIDGE 7th, HONGDA ROAD, XIAOSHAN ECONOMIC & TECHNOLOGICAL DEVELOPMENT ZONE,  
HANGZHOU, 311215, ZHEJIANG, PRC  
Tel:0571-82696619  
Fax:0571-82696096
- **Further information obtainable from:** ZHEJIANG KAIDA STATIONERY CO., LTD.
- **Information in case of emergency:**  
Cherie Lu  
MP:(0)13588823977
- **Email:** cherie@kaidastationery.com.cn
- **Reference Number:** SHT002916237; SH9146100-1/CHEM

## 2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:**  
Mixture of substances listed below with nonhazardous additions.  
For the wording of the listed risk phrases refer to section 16.
- **Dangerous components:** Not applicable.

- **Non-dangerous component:**

CAS: 7732-18-5	water, distilled, conductivity or of similar purity	88,0%
EINECS: 231-791-2		
CAS: 9002-89-5	Polyvinyl Alcohol	12,0%

## 4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

## 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:**  
Wear fully protective suit.

(Contd. on page 2)

## SDS Report

No. SH9146100-1/ CHEM

Date: Sep. 2, 2009

Page 1 of 1

This report is to supersede SDS report No. SH9146100/CHEM, Date: 2009/08/07.

Client's name:  
Client's address:

ZHEJIANG Kaida Stationery Co., Ltd.  
Bridge 7th, Hongda Road, Xiaoshan  
Economic & Technological Development  
Zone, Hangzhou, 311215, Zhejiang, PRC

SGS Ref No. :  
Product Name:  
End Uses:  
Composition/Ingredient:  
Job Receiving Date:  
Preparation Period:

SHT002916237  
KAIDA LIQUID GLUE  
Craft bond/adhesive  
Polyvinyl alcohol (12%), Water (88%).  
Jul.28, 2009  
Jul.28-Aug.5, 2009

**Service Requested**

## Safety Data Sheet for the Product

## SUMMARY

The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

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Signed for and on behalf of  
SGS-CSTC Chemical Laboratory

Sandy Hoo

Sandy Hao  
Lab Manager

**Trade name: KAIDA LIQUID GLUE**

Mouth respiratory protective device.

(Contd. of page 1)

## 6 Accidental release measures

- **Person-related safety precautions:**  
Wear protective clothing.  
Mount respiratory protective device.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

## 7 Handling and storage

- **Handling**
- **Information for safe handling:**  
Keep away from heat and direct sunlight.  
Prevent formation of aerosols.  
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect from heat.  
Keep respiratory protective device available.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Store only in the original receptacle.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Do not store together with acids.  
Do not store together with textiles.  
Store away from strong oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs:** Not available.
- **PNECs:** Not available.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
- **Material of gloves:**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the

(Contd. on page 3)

**Trade name: KAIDA LIQUID GLUE**

(Contd. of page 2)

application.

• **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye protection:** Safety glasses.**9 Physical and chemical properties**• **General Information**

<b>Form:</b>	Liquid
<b>Colour:</b>	Transparent
<b>Odour:</b>	Mild

• **Change in condition:**

<b>Melting point/Melting range:</b>	Not available.
<b>Boiling point/Boiling range:</b>	Not available.

• **Flash point:** Not available.• **Flammability (solid, gaseous):** Not available.• **Ignition temperature:** Not available.• **Self-igniting:** Product is not selfigniting.• **Danger of explosion:** Product does not present an explosion hazard.• **Explosion limits:**

<b>Lower:</b>	Not available.
<b>Upper:</b>	Not available.

• **Oxidizing properties:** Not available.• **Vapour pressure:** Not available.• **Density:** Not available.• **Relative density:** Not available.• **Vapour density:** Not available.• **Evaporation rate:** Not available.• **Solubility in / Miscibility with:**  
water:

Not available.

• **pH-value:** Not available.• **Segregation coefficient (n-octanol/water):** Not available.• **Viscosity:**

<b>Dynamic:</b>	Not available.
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**10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** Strong oxidizing agents.
- **Dangerous decomposition products:** Carbon monoxide and carbon dioxide

**11 Toxicological information**• **Acute toxicity**• **LD/LC50 values relevant for classification:**

9002-89-5 Polyvinyl Alcohol

Oral LD50 14270mg/kg (mouse)

(Contd. on page 4)

Trade name: KAIDA LIQUID GLUE

(Contd. of page 3)

23854mg/kg (rat)

- **Primary irritant effect**
- **on the skin:** Irritating effects possible.
- **on the eye:** Irritating effects possible.
- **Sensitization:** Sensitization possible.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- **Toxicokinetics, metabolism and distribution:** Not available.
- **Acute effects (acute toxicity, irritation and corrosivity):** Not available.
- **Repeated dose toxicity:** Not available.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):** Not available.

## 12 Ecological information

- **Information about elimination (persistence and degradability):** Not available.
- **Behaviour in environmental systems**
- **Mobility and bioaccumulation potential:** Not available.
- **Ecotoxicological effects**
- **Aquatic toxicity:** Not available.
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **PBT assessments:** Not available.

## 13 Disposal considerations

- **Product**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Danger code (Kemler):** -
- **UN-Number:** -
- **Packaging group:** -
- **Hazard label:** -
- **Special marking:** -
- **Description of goods:** -
- **Limited quantities (LQ):** -
- **Transport category:** -
- **Tunnel restriction code:** -
- **Maritime transport IMDG**
- **IMDG Class:** -
- **UN Number:** -
- **Label:** -
- **Packaging group:** -
- **EMS Number:** -

(Contd. on page 5)

Trade name: KAIDA LIQUID GLUE

(Contd. of page 4)

- Marine pollutant: No
- Proper shipping name: -
- Air transport ICAO-TI and IATA-DGR
- ICAO/IATA Class: -
- UN/ID Number: -
- Label: -
- Packaging group: -
- Proper shipping name: -

## 15 Regulatory information

### • sera

#### • Section 355(extremely hazardous substances):

None of the ingredients is listed.

#### • Section 313(Specific toxic chemical listings):

None of the ingredients is listed.

#### • TSCA(Toxic Substances Control Act):

All ingredients are listed.

#### • Proposition 65

#### • Chemicals known to cause cancer:

None of the ingredients is listed.

#### • Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

#### • Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

#### • Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

#### • Cancerogenity categories

#### • EPA(Environmental Protection Agency):

None of the ingredients is listed.

#### • IARC(International Agency for Research on Cancer):

9002-89-5 Polyvinyl Alcohol

3

#### • NTP(National Toxicology Program):

None of the ingredients is listed.

#### • TLV(Threshold Limit Value established by ACGIH):

None of the ingredients is listed.

#### • NIOSH-Ca(National Institute for Occupational Safety and Health):

None of the ingredients is listed.

#### • OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients is listed.

#### • Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials(German GefStoffV).

#### • National regulations

• Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

EU

(Contd. on page 6)

Trade name: KAIDA LIQUID GLUE

(Contd. of page 5)

## 16 Other information

\*\*\*\*\*  
 The contents and format of this MSDS/SDS are in according with REGULATION (EC) No. 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

### DISCLAIMER OF LIABILITY

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 End of document

EU

