

Material Safety Data Sheet

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product

Product Name: Aqueous Binder

Intended Use: adhesive, between cardboard and paper

Company Identification

Name of Supplier: DongGuan GuangSheng Adhesive CO., LTD

Address of Supplier: TianRaoBu District HengLi Town DongGuan City,
GuangDong Province, China 523472

Email Address: 380396787@qq.com

TEL / Fax: 0769-87061422

2 COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENTS | CAS.NO | Approx.Proportion |
|-------------------------|---------------|--------------------------|
| vinyl acetate | 108-05-4 | 20% |
| butyl acrylate | 141-32-2 | 20% |
| acrylic acid | 79-10-7 | 1.5% |
| 2-hydroxyethyl acrylate | 3530-36-7 | 5% |
| deionized water | 7732-18-5 | 43.5% |
| resin | 8050-09-7 | 10% |

3 HAZARDS IDENTIFICATION

This material is not considered to be hazardous

Physical/Chemical Hazards

N/A

Health Hazards

- No adverse effects due to inhalation are expected. When heated, the vapour/fumes given off may cause respirator tract irritation.

4 FIRST AID MEASURES

Inhalation

- In case of adverse exposure to vapors and /or aerosol formed at elevated temperatures, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest.

Skin Contact

- Wash contact areas with soap and water. For hot product: immediately immerse in or flush affected area with large amount of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention.

Eye Contact

- Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion

- Drink water, induce vomiting and seek medical advice immediately.

5 FIRE FIGHTING MEASURES

Extinguishing Media

- Appropriate extinguishing media: use dry chemical or carbon dioxide to extinguish flames.
- Inappropriate extinguishing media: straight streams of water

Fire Fighting

- Fire Fighting Instructions: assure an extended cooling down period to prevent re-ignition. Evacuate area. Prevent run-off from fire control or

dilution from entering streams, sewers or drinking water supply.

- Hazardous Combustion Products: flammable hydrocarbons, oxides of carbon, smoke, fume, incomplete combustion products.

6 ACCIDENTAL RELEASE MEASURES

Notification Procedures

- In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental Precautions

N/A

7 HANDLING AND STORAGE

Handling

- Avoid elevated temperatures for prolonged periods of time. Protect material from direct sunlight. Material can accumulate static charges which may cause an electrical spark (ignition source). Apart from the specific nature of the poly product, conditions such as humidity, sunlight and temperature.
- Loading/Unloading Temperature: [Ambient]
- Transport Temperature: [Ambient]

Storage

- Store in a cool, dry place.
- Storage temperature: 5°C-40°C
- Storage Pressure: [Ambient]
- Seal container after use.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS

N/A

PERSONAL PROTECTION

- Personal protective equipment selection vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection:

- If engineering controls do not maintain airborne contaminant concentration at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:
- No special requirements under ordinary conditions of use and with adequate ventilation.
- For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirator with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Hand Protection:

- Protective gloves are recommended. If contact with forearms is likely, wear long sleeve gloves.

Eye Protection:

- If contact is likely, safety glasses with side shields are recommended.

Skin and Body Protection:

- Chemical resistant apron and long sleeves are recommended.

Specific Hygiene Measures:

- Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good house keeping.

9 PHYSICAL AND CHEMICAL PROPERTIES

Typical physical and chemical properties are given below. Consult the supplier in section 1 for additional data.

GENERAL INFORMATION

- Physical State: Liquid
- Form: Liquid
- Color: Milky White
- Odour: Mild

IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

- Relative Density: 0.9-1.0
- Ph Value: 6.0-7.0
- Autoignition Temperature: N/A
- Boiling Point/Range: >100°C
- Flash Point/Range: >61°C
- Vapour Density: N/A
- Vapour Pressure: N/A
- Evaporation Rate: N/A
- Solubility in Water: soluble in water

10 STABILITY AND REACTIVITY

Stability

- Stable under normal conditions.

Conditions to Avoid

- Avoid elevated temperatures for prolonged periods of time.

Hazardous Decomposition Products

- Carbon monoxide and carbon dioxide.

Hazardous Polymerization

- Will not occur.

11 TOXICOLOGY INFORMATION

| Route of Exposure | Conclusion/Remarks |
|--------------------------|--|
| INHALATION | |
| Toxicity | Minimally toxic, based on test data for structurally similar materials |
| Irritation | Negligible hazard at ambient/normal handling temperatures. Based on test data for structurally similar materials |
| INGESTION | |
| Toxicity | Minimally toxic, based on test data for structurally similar materials |
| SKIN | |
| Toxicity | Minimally toxic, based on test data for structurally similar materials |
| Irritation | Negligible irritation to skin at ambient/normal handling temperatures. Based on test data for structurally similar materials |
| EYE | |
| Irritation | May cause mild, short-lasting discomfort to eyes, based on test data for structurally similar materials |

12 ECOLOGICAL INFORMATION

The information given based on data available for the material, the components of the material and similar materials.

Ecotoxicity

- Material - Not expected to be harmful to aquatic organisms.
- Material - Not expected to be harmful to terrestrial organisms

13 DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations and material characteristics at time of disposal.

Disposal Recommendations

- Suitable routes of disposal are supervised incineration, preferentially with energy recovery, or appropriate recycling methods in accordance with applicable regulations and material characteristics at the time of disposal.

14 TRANSPORTATION INFORMATION

LAND: Not regulated for land transport

SEA: Not regulated for sea transport accordingly to IMDG-Code

AIR: Regulated for air Transport

15 REGULATORY INFORMATION

Material is not hazardous as defined by EU Dangerous Substance/Preparations Directives.

16 OTHER INFORMATION

NA=Not applicable

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Form Maker: DongGuan GuangSheng Adhesive CO., LTD

TianRaoBu District HengLi Town DongGuan City, GuangDong Province, China
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