

# MATERIAL SAFETY DATA SHEET

## SECTION I -PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME : Glaze

GENERIC NAME : Glaze

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MANUFACTURER: JCKOREA. LTD

ADDRESS: 77, Deokcheon-ro 72 beon-gil, Manan-gu, Anyang-si, Gyeonggi-do, Korea  
Manufacturer: 82-31-428-9254

## SECTION II - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** There are no significant health hazards associated with exposure to this product.

**Fabrication:** The product is a solid sheet material. Cutting and fabricating activities utilizing impact or power equipment may release small chips or shards, which are a hazard to the eyes. Print operations may release small quantities of dust with particles generally larger than respirable size.

**Burning:** Toxic gases and fumes are given off during burning or thermal decomposition. Burning produces intense heat and dense smoke.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Overexposure to this product is not likely to cause any significant acute effect.

HMIS RATING: Health: 0    Fire: 1    Physical Hazard: 0    Personal Protection: B

### POTENTIAL HELTH EFFECTS:

**ROUTES OF ENTRY:** Eyes, Inhalation

**ACUTE EFFECTS:** Coarse dust and particulate generated during fabrication can irritate eyes, nasal passages, and the upper respiratory system.

**CHRONIC EFFECTS:** Chronic effects are unlikely.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Chronic respiratory disease.

**CARCINOGENICITY:** This product is not classified or regulated by NTP, IARC, or OSHA

## SECTION III-COMPOSITION/INOFRMATION ON INGREDIENTS

| Material |          | INCI Name           | CAS. No.   | %  |
|----------|----------|---------------------|------------|----|
| Main     | Adhesive | Acrylates Copolymer | 26425-99-0 | 35 |

|                |      |                                 |             |      |
|----------------|------|---------------------------------|-------------|------|
|                | Base | Polyurethane-11                 | 68258-82-2  | 30   |
|                | Top  | Dipentaerythryl Pentaacrylate   | 60506-81-2  | 25   |
|                | Top  | Acrylates Crosspolymer          | 74464-10-1  | 10   |
| May<br>Contain |      | Polyester-5                     | 911484-90-7 | 0-15 |
|                |      | Chromium Oxide Green (CI 77288) | 1308-38-9   |      |
|                |      | Iron Oxide (CI 77499)           | 12227-89-3  |      |
|                |      | Red 36 (CI 12085)               | 2814-77-9   |      |
|                |      | Manganese Violet (CI 77742)     | 10101-66-3  |      |
|                |      | Aluminum Hydroxide (CI 77002)   | 21645-51-2  |      |
|                |      | Blue 1 Lake (CI 42090)          | 15792-67-3  |      |
|                |      | Synthetic Fluorophlogopite      | 12003-38-2  |      |
|                |      | Titanium Dioxide (CI 77891)     | 13463-67-7  |      |
|                |      | Polyethylene Terephthalate      | 25038-59-9  | 0-15 |
|                |      | Polyurethane-33                 | 125826-44-0 |      |
|                |      | Aluminium Powder (CI 77000)     | 7429-90-5   |      |
|                |      | Tin Oxide                       | 18282-10-5  |      |

## SECTION IV – FIRST AID MEASURES

**EYE CONTACT:** To remove particulate matter, flush with large amounts of water until irritation subsides. see a physician if irritation persists.

**INHALATION:** Blow nose and rinse mouth with water to clear dust and particulate. if exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

## SECTION V – FIRE FIGHTING MEASURES

**NFPA RATING:** Health:0 Fire: 1 Reactivity: 0 Other:--

**FLASH POINT AND METHOD:** Not applicable.

**EXTINGUISHING METHOD:** CO<sub>2</sub> ,dry chemical, water spray and foam.

**NFPA FIRE FIGHTING PROCEDURES:** Use water spray, foam, dry chemical, CO<sub>2</sub> applied from a safe distance to avoid exposure to hazardous vapors and other decomposition products.

**FIRE OR EXPLOSION HAZARDS:** Product is a combustible thermoplastic resin but it will not continue to burn after ignition without an external fire source. Because of the potential for dense smoke in a fire situation, fire fighters should wear approved self-contained breathing apparatus.

**HARMFUL COMBUSTION PRODUCTS:** Intense heat, smoke, irritating toxic gases, and aerosols, including carbon dioxide, carbon monoxide, and hydrogen chloride, and metal oxides (no heavy metals) may be generated by thermal decomposition when the product undergoes combustion.

## SECTION VI- ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:** Sweep or pick-up fabrication debris. Debris may usually be disposed of in a non-regulated landfill. However, prior to disposal, it is recommended that the regulations in effect for the particular area where disposal is to take place be checked to prevent improper disposal.

## SECTION VII-HANDLING AND STORAGE

**STORAGE TEMPERATURE:** Store in well ventilated areas at temperatures below 120°F(49°C).

**SPECIAL SENSITIVITY:** None

**HANDLING PRECAUTIONS:** Use good housekeeping procedures to minimize the accumulation of dust during fabrication procedures.

## SECTION VIII- EXPOSURE CONTROLS/PERSONAL PROTECTION

**EYE PROTECTION:** Wear safety glasses or face shields when cutting or machining.

**SKIN PROTECTION:** Gloves are recommended when fabricating due to possible sharp edges.

**RESPIRATORY PROTECTION:** For nuisance dust not otherwise regulated, observe the OSHA PEL of 15mg/m<sup>3</sup>. When exposures over the PEL are encountered and engineering or other controls are not adequate to reduce airborne concentrations to below the PEL, use a dust mask such as 3M-8710 or equivalent.

## SECTION IX-PHYSICAL AND CHEMICAL PROPERTIES

**PRODUCT USES:** Fabricated sheet items including glazing, display components, machine guards, and safety shields.

**PHYSICAL FORM:** Clear, tinted, or opaque thermoplastic sheet.

**SPECIFIC GRAVITY:** 1.02~1.38

MELTING POINT: N/A

SOFTENING POINT : 45-70°C

## SECTION X – REACTIVITY

**STABILITY:** Product is stable under normal conditions.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITIES:** None in designed use.

**DECOMPOSITION PRODUCTS:** Burning or thermal decomposition may generate carbon monoxide, carbon dioxide, hydrogen chloride gas and trace amounts of metal oxides.

**CONDITIONS TO AVOID:** Exposure to high temperatures and direct flame.

## SECTION XI– TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL HAZARDS:** A review of the scientific literature did not indicate any specific toxicological hazard

## SECTION XII– ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** No data available

## SECTION XIII– DISPOSAL CONSIDERATIONS

### **Waste disposal recommendations:**

Contact a licensed professional waste disposal service to dispose of this material. Dispose of empty containers as unused product. Product or containers must not be disposed with household garbage. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification.

## SECTION XIV – TRANSPORTATION CONSIDERATIONS

**DOT NAME:** Not regulated  
**DOT HAZARD CLASS:** Not applicable  
**PACKAGING GROUP:**

**DOT LABEL:** Not applicable  
**UN/NA NUMBER:** None  
**FLAMMABILITY CLASS:** None

## SECTION XV– REGULATORY INFORMATION

**OSHA STATUS:** This product is not considered hazardous under OSHA criteria ( see Section III).

**TSCA STATUS:** Components of this product are included in the TSCA inventory.

**CERCLA REPORTABLE QUANTITY :** N/A

**SARA TITLE III**

**SECTION 302 EXTREMELY HAZARDOUS :** This product contains no extremely hazardous substances as defined and listed in section #302

**SECTION 311/312 HAZARDOUS CATEGORIES:** Not reportable under this section.

**SECTION 313 TOXIC CHEMICALS:** Not reportable under this section.

#### SECTION XVI – DISCLAIMER

AS OF THE DATE OF THIS DOCUMENT, THE FOREGOING INFORMATION IS BELIEVED TO BE ACCURATE AND IS PROVIDED IN GOOD FAITH TO COMPLY WITH APPLICABLE LAWS. HOWEVER, NO WARRANTY OR REPRESENTATION OF LAW OR FACT, WITH RESPECT TO SUCH INFORMATION, IS INTENDED OR GIVEN.

## Safety Data Sheet

### 1. Identification of the Substances/Preparation and of the Company/Undertaking

#### Product Details

Trade Name: **Alcohol Pad.**

Intended Use: Cleaning and Disinfection of Skin.

Manufacturer/Supplier: YangZhou SuXiang Medical Instrument CO.,Ltd

Bustling Road No.1 Economic Development Zone BaoYing County JiangSu

China

Contact Person: Bian Xiangli

Tel: +86 514 88282780

Fax: +86 514 88282780

### 2. Hazards Identification

#### Classification of the substance or mixtures

Classification according to Regulation (EC) No 1272/2008[EU-GHS/CLP]

#### Classification

Flammable liquids (Category 2)

Eye Irritation (Category 2A)

#### Label Elements

Pictograms



#### Signal word

Danger

#### Hazard statements

Highly flammable liquid and vapor

Causes serious eye irritation

#### Precautionary statement(s)

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Avoid breathing dust/fume/gas/mist/vapor/spray.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 3. Composition/Information on Ingredients

#### Chemical Characterization:

Description: Mixture, consisting of the following components.

Declaration of ingredients according to (EC) No. 1907/2006

| Ingredient/substance | CAS#      | EC#<br>(EINECS#) | V/V % | Symbol Ietters and<br>R-Phrase |
|----------------------|-----------|------------------|-------|--------------------------------|
| aqua                 | 7732-18-5 | 231-791-2        | 30    | Non-Hazardous                  |
| Isopropyl Alcohol    | 67-63-0   | 200-661-7        | 70    | F, Xi, R11/36/37               |

#### 4. First-Aid Measures

**Eye Contact:** Wash immediately for at least 15 minutes with abundant water, if the irritation persists, consult a medical practitioner.

**Skin Contact:** No danger if the skin is not injured and if the prescriptions use is followed. Remove contaminated clothes and wash them.

#### 5. Fire-Fighting Measures

Flammability of the products L flammable liquid.

Suitable extinguishing media: use chemical foam, dry chemical, carbon dioxide or water.

Unusual fire and explosion hazards: moderate explosion hazard when exposed to ignition source. Closed cans exposed in flame and heat may erupt scattering fragments.

Special firefighting precaution/instructions: contact emergency personnel. Do not use high pressure stream of water to extinguish burning wear full protective equipment and a self-contained breathing apparatus.

Hazardous combustion products may be released include small amounts of oxides of nitrogen, carbon monoxide, carbon dioxide and hydrocarbons.

#### 6. Accidental Release measures

**Personal Precautions:** Use personal protection recommended in section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Precautions to protect the environment:** should not be released into the environment. Prevent the product from entering drains. If large quantities enter a waterway, advise local authorities.

**Methods for cleaning up:** Floor may become slippery. Dike and contain large spills with inert material (sand, earth...) and transfer for disposal. Thoroughly wash the area with water after a spill or leak.

#### 7. Handling and Storage

**Handling:** Avoid contact with eyes. for external use only.

**Storage:** keep out of the reach of children. Store upright and in original container. Keep container closed during storage. do not store at high temperature.

#### 8. Exposure Controls/Personal Protection

Exposure limits:

Engineering controls: ventilation is not normally required.

Personal protective equipment:

respiratory protection: no special requirements with normal household use.  
Skin protection: no special requirements with normal household use. Wear gloves if handling large quantities.  
Eye protection: no special requirements with normal household use. Avoid contact with eyes. Wear safety glasses or goggles if handling large quantities

## 9. Physical and Chemical Properties

### General information

|                                         |                     |
|-----------------------------------------|---------------------|
| <b>Odor:</b>                            | Tasteless           |
| <b>Color:</b>                           | Transparent         |
| <b>Physical state:</b>                  | Liquid              |
| <b>pH:</b>                              | 6.5                 |
| <b>Melting point/range</b>              | N/A                 |
| <b>Boiling point/range</b>              | > 82.2°C            |
| <b>Ignition temperature:</b>            | > 235°C             |
| <b>Flash point:</b>                     | > 13°C (closed cup) |
| <b>Density:</b>                         | < 1(water = 1)      |
| <b>Relative vapor density(air=1):</b>   | N/A                 |
| <b>Vapor pressure:</b>                  | N/A                 |
| <b>Evaporation rate &amp;reference:</b> | N/A                 |
| <b>Solubility in water:</b>             | Soluble             |
| <b>Explosion limits in air - upper:</b> | N/A                 |
| <b>Explosion limits in air - lower:</b> | N/A                 |

## 10. Stability and Reactivity

**Stability:** stable under recommended storage conditions. Keep in a cool place.  
**Incompatibility (materials to avoid):** do not mix with other chemicals.  
**Conditions to avoid:** source of ignition  
**Hazardous decomposition products:** a few.  
**Hazardous polymerization:** will not occur.

## 11. Toxicological Information

### Acute Toxicity

The acute toxicity of this product has not been determined.  
Component toxicity

**Chronic effects:** No chronic health effects under normal use.

**Carcinogenic effects:** Not currently known

**Sensitization:** No previous negative effects (sensitization) known.

**Epidemiology;** Not currently known.

**Mutagenic effects:** Not currently known.

**Reproductive toxicity:** Not currently known.

## 12. Ecological information

**Ecotoxicity:** A large number of emissions of pollution to the environment.

**Products of biodegradation:** possible hazardous short term degradation products are not likely. However, long term degradation products were arise.

### 13. Disposal Considerations

**Bulk Quantities Waste Disposal Methods:** For uncontaminated material the disposal options include mechanical and chemical recycling or energy recovery. For contaminated material the options remain the same. Although additional evaluation is required. Waste must be disposed of in accordance with relevant EC directives and national, regional and local environmental control regulations. For disposal within the EC, the appropriate code according to the European waste catalogue (EWC) should be used.

### 14. Transport Information

**Land transport DOT** Not Regulated as Hazardous Material under DOT 49 CFR 172.102 Special Provision 47

Hazard class: 4.1

UN number: 3175

Packing Group: II

Proper shipping Name: Solids Containing Flammable Liquid, n.o.s

**Maritime transport IMDG/IMO** Not Regulated as Hazardous Material under IATA Sec. 4.4 Special Provision A46

Hazard class: 4.1

UN number: 3175

Packing Group: II

Proper shipping Name: Solids Containing Flammable Liquid, n.o.s

Marine Pollutant: No

**Air transport IATA/ICAO** Not Regulated as Hazardous Material under IMDG Ch. 3.3 Special Provision 216

Hazard class: 4.1

UN number: 3175

Packing Group: II

Proper shipping Name: Solids Containing Flammable Liquid, n.o.s

### 15. Regulatory Information

#### European information

1. European community directive 67/548/EC governing the classification, packaging and labeling of dangerous substances, including adaptation to technical progress (ATP), 2006/121/EC.
2. Directive 1999/45/EC concerning the approximation of the laws, regulations and

administrative provisions of the member states relating to the classification, packaging and labeling of dangerous preparations.

3. Regulation (EC) 1907/2006/EC concerning the registration, evaluation, authorization and restriction of chemicals (REACH), establishing a European chemicals agency.

#### **EU labeling**

**Symbol:** medicinal and cosmetic products in the finished form, intended for the final users are not subject the directive relating to the classification, packaging and labeling of dangerous preparations(1999/45/EC)

**Risk Phrase:** none.

**Safety phrase:** none.

### **16. .Other information**

#### **Full text of R-phrases referred to under sections 2:**

- R11 Highly flammable
- R22 harmful if swallowed.
- R23 toxic by inhalation.
- R24 toxic in contact with skin.
- R25 toxic if swallowed.
- R36 irritating to eyes.
- R37 irritating to respiratory.
- R38 irritating to skin.
- R30 danger of very serious irreversible effects.
- R41 risk of serious damage to the eyes.
- R50 very toxic to aquatic organisms.
- R66 repeated exposure may cause skin dryness cracking.
- R67 Vapours may cause drowsiness and dizziness.

#### **Full text of classifications referred to under sections 2:**

- Xi irritant
- F flammable
- Xn harmful
- T toxic
- N dangerous to environment

#### **Abbreviations:** mg/m<sup>3</sup> - Milligrams Per Cubic Meter

pH – Relates to hydrogen ion concentration – this value will relate to a scale of 0 – 14, where 0 is highly acidic and 14 is highly alkaline

OSHA – Occupational safety and health

NTP – National Toxicology Program

IARC – International Agency for Research on Cancer

CAS# - Chemical Abstract Service number – used to uniquely identify chemical compounds

ADR- Agreement on dangerous goods by road

RID – Regulations concerning the international carriage of dangerous goods by rail  
ICAO – International civil aviation organization  
IATA – International air transport association  
IMO – International marine organization  
IMDG – International maritime dangerous goods

**Further information:**

This information is based on based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet was prepared in accordance with REACH (EC) No 1907/2006.

**Department Issuing MSDS:** This MSDS Service is provided by YangZhou SuXiang Medical Instrument CO.,Ltd

Issue date July 25, 2020

This MSDS Service is provided by YangZhou SuXiang Medical Instrument CO.,Ltd

Signed for and on behalf of

Lander testing lab

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Bian Xiangli Chemistry lab  
engineer Date: July 25, 2020