


YZ-H631 MSDS

1. Substance or Compound, and Vendor Information

1.1 Product Name: Hydroxyl Acrylic Resins / YZ-H631
1.2 Code Number: YZ-H631
1.3 Manufacturer Name: QINGYUAN YAKOO CHEMICAL CO.,LTD
1.4 Address: Jiafu Industrial Zone, Yinzhan Industrial Park, Hi-tech Industrial Development Post Code:511540
1.5 Tel: 0763-3607328 Fax: 0763-3697338
1.6 Emergency Number:86 532 83889090
1.7 Main Application: : Applied to low temperature quick repair paint and industrial coatings.

2. Hazards Identification

2.1 Emergency Summary: The highly flammable liquid with colorless and pungent smell can strongly react with oxygenate, its vapor can form explosive mixture with air, meeting the open fire or high heat will cause the danger of combustion and explosion	
2.2 GHS-Classification :	flammable liquid-3 Acute toxicity: oral - 4 Acute toxicity: dermal- 4 Acute toxicity: inhalation - 4 Severe eye injury / eye irritation - 2
2.3 Label Elements:	
2.4 Signal Word: Danger	
2.5 Hazard Description: Highly flammable liquid and vapor; Cause skin irritation; Harmful if swallowed; Harmful for skin contact; Harmful by inhalation.	
2.6 Precautionary statement:	
2.6.1 Preventive Measures:	Wear protective gloves, protective glasses, and protective masks.

Use explosion-proof electrical, ventilation, lighting and other equipment.
 Prohibiting using mechanical equipment and tools that are easy to produce sparks.
 Be away from heat, sparks, open flames.
 Ban burning at the workplace

2.6.2 Accident Responses:
 Skin contact: immediately remove contaminated clothing, wash the skin with soap and water thoroughly.
 If this product catches fire, the electricity should be cut off , quickly evacuate to the safe area, eliminate all ignition sources
 Large area leakage should be controlled by water spraying.

2.6.3 Safe Storage:
 Be away from the high heat and open fire.
 Storing in a cool, ventilated warehouse
 Use explosion-proof equipment

2.7 Disposal of waste: Disposal of this product or its container should be in accordance with local regulations

2.8 Physical and chemical hazard: Its steam can form explosive mixture with air, meeting open fire or high heat has caused the risk of burning explosion.

2.9 Health hazards: skin irritation, skin contact is harmful.

2.10 Environmental hazard: no data.

3.Composition, Information on Ingredients

3.1 Main harmful ingredients: mixture		
3.2 Appearance: Viscous liquid		
3.3 Ingredient:		
Chemical Name	CAS	Content %
Acrylic Polymers	26985-11-5	55-65
BUTYL ACETATE	123-86-4	30-50

4. First Aid Measures

4.1 Skin Contact: Remove contaminated clothing and shoes. Immediately wash with water and soap and rinse thoroughly.

4.2 Eye Contact: Speaking of the eyelid, with the flowing water or saline rinsing at least 15 min. Go to a doctor.

4.3 Inhalation: Remove victim to fresh area. If breath is difficult, give oxygen. If victim is not breathing, carrying out artificial respiration immediately. Go to a doctor.

4.4 Ingestion: If the patient consciousness is clear, let the water rinse thoroughly. Don't rush to vomit. patient is with spontaneous vomiting, let the body forward, to reduce the risk of inhalation.

5. Fire Fighting Measures

5.1 Hazardous characteristics: Its vapor can form explosive mixtures with air, meeting fire or high heat can cause the danger of combustion and explosion. Flow rate is too fast, easy to produce and accumulate static electricity.

5.2 Fire extinguishing method: Using foam, carbon dioxide, dry powder, sand to put out a fire

5.3 Notes: It's useless to put out a fire by water. Firefighters must wear gas masks and fire services, to avoid direct contact with pollutants.

6. Accidental Release Measures

6.1 Operation personnel protective measures, protective equipment and emergency handling procedures: cut off the fire source. Quickly evacuate the contaminated area to the safety zone, and to isolate, strictly limit access. Recommend emergency personnel wearing self-contained positive pressure respirator, wear protective clothing. As far as possible to cut off the source of leakage.

6.2 Environmental protection measures: to prevent the leakage and fire fighting wastewater from flowing into the water body environment or restricted space

6.3 Treatment, removal and disposal of chemicals used in the leakage of chemicals:

Large leak: Constrict cofferdam or potholing to contain it.

Slight leak: Collect spilled liquid into airtight containers as far as possible, use sand, activated carbon or other inert materials to absorb residues, or use the latex that made by non flammable dispersant to wash, lotion after being diluted discharges into the wastewater system.

7. Handling and Storage

7.1 Handling Notice Items:

Closed operation, strengthening ventilation. The operator must go through specialized training, strict compliance with operating procedures. Propose operators wear self-absorption filter type respirators (half mask), protective chemical safety glasses, protective overalls on infiltration, and oil resistant rubber gloves. Keep away from fire, heat; smoking is prohibited in the workplace. Use the explosion-proof ventilation systems and equipment. To prevent steam leakage in the air of workplace. Avoid contact with oxygen ant. Velocity should be controlled when filling (not exceeding 5m/s).Keep the barrel being tightly closed if not used because the empty barrel still remains some hazardous VOC.

7.2 Storage Notice Items:

Store in a cool, ventilative treasury. Keep away from fire, heat source. Warehouse's temperature should not exceed 30 °C. Keep container tightly closed. With the oxidant, acid, alkali stored separately, avoid mixed storage. Use the explosion-proof lighting, ventilation facilities. Forbid to use easy to produce the spark's mechanical equipment and tools. Storage areas should be equipped with emergency treatment equipment for leakage and suitable collecting materials.

8.Exposure Controls and Personal Protection

8.1 MAC(mg/m ³): 100 China MAC(mg/ m ³)
8.2 Survey Method: Gas Chromatography
8.3 Engineering Controls: the production process should be closed, overall ventilation.
8.4 Respiratory System Protection: Wear air breathing apparatus or oxygen breathing apparatus.
8.5 Eye Protection: Wear protective chemical safety glasses.
8.6 Physical Protection: Wear anti-static and protective osmotic overalls
8.7 Hand Protection: Wear oil resistant rubber gloves
8.8 Other Protection: Ban smoking, eating and drinking in the workplace. After work, have a bath and change the clothes. To maintain good health habits.

9. Physical and Chemical Properties

9.1 Appearance and Properties: Viscous liquid with a strong fragrance.
9.2 Boiling Point: > 35℃
9.3 Relative density (g/m ³ Water=1): 0.998
9.4 Saturation Vapor Pressure (kPa): N/M
9.5 Combustion heat (kJ/mol) : 3264.4
9.6 Critical pressure(Mpa): N/M
9.7 Critical temperature (℃) : N/M
9.8 Flash Point(℃): 28℃
9.9 Ignition temperature:42℃
9.10 Solubility: It can be slightly soluble in water, and mixed with alcohol, ether, acetone, acetic acid, etc.

10. Stability and Reactivity

10.1 Stability: It's stable under normal conditions.
10.2 The condition of avoiding contact: Open fire; High heat.
10.3 Hazardous Polymerization: No occurrence
10.4 Banning matching: Strong oxidants

11. Toxicological Information

11.1 Acute Toxicity: No data.

11.2 Chronic Toxicity: It causes headache, dizziness, nausea, vomiting, mild excitement, shambling, even muzziness.
11.3 Skin irritation or corrosion: No data
11.4 Eye irritation or corrosion: No data
11.5 Respiratory or skin allergies: No data
11.6 Stimulus: It has a certain stimulus to the skin, respiratory system.

12. Ecological Information

12.1 Ecological toxicity: Released into the water, it may cause water pollution; Released into the atmosphere, it can produce VOC that causes air pollution.
12.2 Persistence and degradation: No data.
12.3 Potential biological accumulation: No data
12.4 Migration in soil: No data

13. Disposal Consideration

13.1 Waste Properties: Hazardous waste
13.2 Waste Disposal Method: Send it to hazardous waste disposal company that has the qualification, disposal by burning method.
13.3 Dirty package: Return empty containers to manufacturers or deal with it based on the local regulations

14. Transport Information

14.1 UN Number:1866
14.2 Danger Classification: 3.2
14.3 Packing Mark: Flammable
14.4 Packing Classification: III
14.5 Packing Method: Plastic tin or Metal Barrel
14.6 Transportation matters needing attention: Avoid the sunlight

15. Regulatory Information

“Regulations on the safety management of hazardous chemicals” (Promulgated by The State Council on March 15, 2002), Relevant provisions have been made for the safe production, use, storage, transportation, loading and unloading of chemical dangerous goods.; “Classification and marking of common dangerous chemicals” (GB 13690-92) Has been replaced by the “General rules
--

for chemical classification and hazard” (GB 13690-2009);”Chemical classification, warning labels and warning instructions safety standards” (GB 30000.18-2013) classifies it as third types of flammable liquid.

IECSC-----In compliance

16. Other Information

1. Zhou Guotai, "safety technology of chemical dangerous goods", chemical industry press, 1997
2. “the chemicals toxicity and Regulations Handbook of environmental data ", edited by State Environmental Protection Administration of toxic chemicals management office, Beijing Research Institute of chemical industry, China Environmental Science Press, 1992
3. Canadian Centre for Occupational Health and Safety,CHEMINFO Database, 1989.
- 4.Canadian Centre for Occupational Health and Safety,RTECS Database, 1989

Filling Time: Oct.25,2023

Filling Department: Ministry of Technology

Date Verification Unit: Quality Control Department