Material Safety Data Sheet

Section 1. Identification of the chemical and supplier

Product Name: Acrylic Resin **Synonyms:** cold mounting and embedding resins

commodity code: TJ 2218A

(M)SDS Number: 2212EN

Relevant identified use(s): Cold mounting sample preparation for metallographic experiments

Emergency telephone number: 13814829868（24h）

Name of the company: Trojan (Suzhou) Material Technology Co., Ltd

Address of the company: Building 26, No. 228 Gongtang Road Luzhi Town,Wuzhong District, Suzhou, China.

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Section 2. Hazards identification

Hazard classification according to GHS: Combustible solid

Acute toxicity, oral administration	Category 4	(H302)
Serious eye damage/eye irritation	Category 1	(H318)
Specific target organ toxicity (one exposure)	Category 3	(H335)
Acute aquatic toxicity	Category 1	(H400)
Chronic aquatic toxicity	Category 2	(H411)

Hazard pictograms:



Signal word: Warning

Hazard statements:

H302 Harmful if swallowed

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long - lasting effects.

Precautionary Statements

Prevention Measures：

——P264 Wash thoroughly after handling.

——P270 Do not eat, drink or smoke when using this product.

——P280 Wear protective gloves/protective clothing/eye protection/face protection.

——P261 Avoid inhalation of dust/fume/gas/mist/vapours/spray.
——P271 Use only outdoors or in a well - ventilated area.
——P273 Avoid release to the environment.
Accident Response:
——P301 + P312 If swallowed: Call a poison control center/doctor if you feel unwell.
——P330 Rinse mouth.
——P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
——P310 Immediately call a poison control center/doctor.
——P304 + P340 If inhaled: Move person to fresh air and keep comfortable for breathing.
——P312 If feeling unwell, call a poison control center/doctor.
——P391 Collect spillage.
Safe Storage:
——P403 + P233 Store in a well - ventilated place. Keep container tightly closed.
——P405 Lock up storage.
Disposal:
——P501 Dispose of contents/container in accordance with local regulations.
Physical and Chemical Hazards: No data available
Health Hazards: Harmful if swallowed. Causes serious eye damage. May cause respiratory irritation.
Environmental Hazards: Very toxic to aquatic life. Toxic to aquatic life with long - lasting effects.

Section 3. Composition/information on ingredients

Pure substance： Acrylic resin

Name: Acrylic resin
Synonym： Acrylic resin
Chemical Abstracts Service (CAS) Number: 9003-01-4
Hazardous Components (Percentage): This product is non-toxic

Mixture:

Chemical Properties: Combustible white powder			
Hazardous Component(s)	Concentration or Concentration Range (%)	EC No.	CAS No.
Acrylic resin	100%	618-347-7	9003-01-4

Section 4. First-aid measures

General advice: Immediate medical attention is required. Show this material safety data sheet (MSDS) to the doctor in attendance .

Description of necessary first-aid measures
If inhaled： The raw material of this product will not cause harm to the body. If inhaled, there is no need for special treatment. If you breathe in too much smoke, breathe more fresh air. If you have a cough or other symptoms, go to the hospital.
Following skin contact： Wash with soap and water. It may cause skin irritation. If skin irritation or

allergic reaction occurs, seek medical treatment. **Following eye contact：** Rinse with plenty of water for at least 15 minutes and lift upper and lower eyelids. Consult your doctor. **Following ingestion：** If ingested, do not induce vomiting. Rinse your mouth with water, drink plenty of water, and seek immediate medical attention from a physician or poison control center. If you have fainted, do not feed anything.
Most important symptoms/effects, acute and delayed： These include acute and delayed burning, itching, rashes, and measles.
Advice for protecting the rescuer： Wear gloves and other common protection.
Special note to the doctor： May cause allergies in susceptible populations, symptomatic treatment.

Section 5. Firefighting measures

Suitable extinguishing media: Use fire extinguishing measures appropriate to local conditions and the surrounding environment.
Specific hazards arising from the substance or mixture At high temperatures, a sealed container can break or explode. May produce irritating or toxic gases. Dust accumulated in the air can pose an explosive hazard. **Hazardous combustion products:** N.A.
Special fire extinguishing procedure: Cool exposed containers with water. Wear full protective clothing.
Special protective actions for fire-fighters: Firefighters should wear self-contained breathing apparatus and full fire fighting clothing and use personal protective equipment.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate people to safety. Personnel should be kept away from spillage/leak areas or in the upper tuyere.
Environmental precautions: Not to be discharged into the environment.
Methods and materials for containment and cleaning up Containment method: to prevent further leakage or spillage where safe and feasible. Cleaning method: mechanically picked up and placed in an appropriate container for disposal.

Section 7. Handling and storage

Precautions for handling Operate in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. If ventilation is poor, wear appropriate protective breathing equipment. Do not eat, drink or smoke when using this product. Remove all contaminated clothing and wash before reuse. **General health precautions:** Operate in accordance with good industrial hygiene and safety practices.

Precautions for storage Keep container tightly closed and in a dry, cool and well ventilated place. The storage area must be locked. Store out of reach of children.

Section 8. Exposure controls/personal protection

Engineering control: Do not smoke or eat or drink in the workplace. Wash hands thoroughly after handling. Maintain good housekeeping.
Control parameters - 8 hours daily average admissible concentration/short time average admissible concentration/maximum admissible concentration：N.A. - biological indicator：N.A.
Personal protection equipment - Hand protection: wear appropriate gloves. - Eye /Face protection: Wear safety glasses (or goggles) with rim protectors. - Skin and body protection: wear appropriate protective clothing.
Hygiene measures: N.A.

Section 9. Physical and chemical properties

Appearance：White powder	**Odor**： N
Odor threshold： 0	**Melting point :** 85 ℃
Flashpoint: 180℃	**Boiling point/boiling point range:** 260℃ decomposition
pH: N.A.	**Spontaneous Ignition point:** N.A.
Flammability: Flammable	**Test method:** V Open Glass
Decomposition temperature: 260℃	**Explosion limit:** N.A.
Vapor pressure：N.A.	**Vapor density :** N.A.
Relative density： 1.25	**Solubility:** Do not dissolve in water

Section 10. Stability and reactivity

Stability and reactivity Stable under normal conditions The explosion of data N.A. Sensitive to mechanical impact N.A. Sensitive to electrostatic discharge N.A.
Possible hazardous reactions under special circumstances: It doesn't happen during normal processing.
Conditions to avoid： Unknown.

Prohibited content: N.A.
Hazardous decomposition products： Not under normal service conditions

Section 11. Toxicological information

Exposure pathways: inhalation, skin, eyes, ingestion
Symptom: **Inhalation**： Specific test data for this substance or mixture are not available. **Eye contact:** Specific test data for this substance or mixture are not available. **Skin contact:** May cause irritation by skin contact. Specific test data for this substance or mixture are not available. Repeated or prolonged skin contact may cause allergic reactions in susceptible people. **Ingestion**: Specific test data for this substance or mixture are not available. **Information on toxicological effects:** **Symptoms**: Pruritus, rashes, measles.
Acute toxicity: This product is a non-toxic substance.
Chronic or chronic toxicity: Skin corrosion/irritation: No information available. Severe eye injury/eye irritation: No information available. Respiratory or skin sensitization: May cause irritation by skin contact. Germ cell mutagenesis: No information available. Carcinogenicity: No information available. Reproductive Toxicity: No information available. STOT - One Touch: No information available. STOT - Repeated Contact: No information available. Inhalation Hazard: No information available.

Section 12. Ecological information

Ecotoxicity: N
Persistence and Degradability: Degradable.
Bioaccumulation: N.
Mobility in soil: Immobilization.
Other adverse effects: No information available.

Section 13. Disposal considerations

Waste treatment methods:	
Residues/waste from unused products	Dispose in accordance with local regulations. Dispose of waste in accordance with environmental regulations.
Contaminated Packaging	No information available.

Section 14. Transport information

Special Name for Transport: Container bottles are not specified for <110 Gal.

International Transport Regulations: /
UN Name:3082
Transport hazard class：9
Packing group: III
Marine pollutant：/
Special transportation method and matters needing attention: /

Others:

IMDG/IMO	
UN number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (acrylic acid homopolymer)
Hazard Class	9
Packing Group	III
Marine Pollutant	Y
Special provisions	N.A.
Bulk transportation basis MARPOL 73/78	N.A.
RID	
UN number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (acrylic acid homopolymer)
Hazard Class	9
Packing Group	III
Environment Hazards	Y
Special provisions	N.A.
ADR	
UN number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (acrylic acid homopolymer)
Hazard Class	9
Packing Group	III
Environment Hazards	Y
Special provisions	N.A.
IATA	
UN number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (acrylic acid

	homopolymer)
Hazard Class	9
Packing Group	III
Environment Hazards	Y
Special provisions	N.A.

Section 15. Regulatory information

Applicable regulations: China

Section 16. Others

Reference		
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