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 4004A
(M)SDS Number: 2207EN
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.
Post code: 215000 Fax number: 0512-67508229
Telephone number: 0512-67580617
E-mail address: sales@trojanchina.com

Section 2. Hazards identification

Hazard classification according to GHS: Combustible solid

Cutaneous sensitization	**Category 1**	**(H317)**

Hazard pictograms**:**



Signal word: Danger

Hazard statements:
H317 - May cause allergic skin reactions

Precautionary statements:

1. **Prevention:**

- Keep away from heat and combustible substances.
- Avoid inhaling dust/smoke/gas/smoke/steam/spray.
- When using the product, do not eat, drink or smoke.
- Wear protective gloves/protective clothing/eye protection/face protection.

2. **Response:**

- In case of fire: use suitable extinguishing equipment to extinguish the fire.
- If swallowed, rinse mouth, prompt vomiting, seek medical advice as soon as possible.
- When in contact with eyes: Open eyelid while standing, flush contaminated eyes with gentle water.
- Rinse clean with water when skin contact.
- Contaminated clothing can be reused after cleaning.

3. **Storage:**

- Keep the container in a well ventilated area.

- Dispose of contents/containers in accordance with applicable local/regional/national/international regulations.

4. **Disposal:**

- Collect centrally and deal with in accordance with local regulations.

Section 3. Composition/information on ingredients

Name： Acrylic Resin

Substances

Chemical name	EC No.	CAS No.	Weight-%
Acrylic powder	**618-347-7**	**9003-01-4**	98%
BPO	**202-327-6**	**94-36-0**	2%

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 :** 140 ℃
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: Y
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		
Tabulation unit	Name: Trojan (Suzhou) Material Technology Co., Ltd	
	Address/Telephone: Building 26, No. 228 Gongtang Road Luzhi Town,Wuzhong District, Suzhou, China./0512 67580617	
Lister	Position: Manager	Name: Zhang Huajian
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