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 2800A
(M)SDS Number: 2205EN
Relevant identified use(s): Thermal 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

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, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection.

2. **Response:**

- In case of fire: use suitable extinguishing equipment to extinguish the fire.
- If swallowing: rinse mouth, prompt vomiting, seek medical advice as soon as possible.
- In case of contact with eyes: open eyelids while standing, flush contaminated eyes with gentle water.
- If skin contacting: rinse clean with water.

3. **Storage:**

-Store in a well-ventilated place. Keep container tightly closed.

4. **Disposal:**

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

Section 3. Composition/information on ingredients

Substances：Acrylic Resin

Name： Acrylic Resin
Substances： Acrylic Resin
CAS No. ： 9003-01-4
Hazardous substance components（%）： non-toxic

Mixture：

Chemical properties: flammable white powder			
Chemical name	**Weight-%**	**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 This product is or contains an allergen that may cause irritation to skin contact.
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.
Advice for emergency responders: Use the personal protective equipment recommended in Section 8.

Environmental precautions: Not to be discharged into the environment.

Methods and materials for containment and cleaning up
Methods for containment: To prevent further leakage or spillage as far as is safe and practicable.
Methods for cleaning up: 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. Store out of reach of children. The storage area must be locked.

Risk Management Methodology (RMM)： The required information is contained in this Material Safety Data Sheet.

Section 8. Exposure controls/personal protection

Engineering control:
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.A.
Odor threshold: 0	**Vitrification temperature:** 85℃
Flashpoint: 180℃	**Initial boiling point and boiling range:** 260℃ decomposition
pH: \	**Spontaneous ignition temperature:** 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

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

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		
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