Material Safety Data Sheet

Section 1. Identification of the chemical and supplier

Product Name: Transparent **Synonyms:**

commodity code: TM 2261

(M)SDS Number: 2109EN

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

Acute toxicity-Oral	**Category 4**	**(H302)**
Specific target organ toxicity – single exposure	**Category 3**	**(H335)**

Hazard pictograms**:**



Signal word: Danger

Hazard statements:

H302 Harmful if swallowed

H335 May cause respiratory irritation

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

Substances：Acrylic Resin

Name： Acrylic Resin
Synonyms： Acrylic Resin
CAS No.： 9003-01-4
Hazardous Substance Composition (Ingredient Percent): This product is non-toxic

Mixture：

Chemical properties: Flammable white powder			
Name of hazardous substances	**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

Remove to fresh air. If symptoms develop, seek medical treatment immediately. If breathing stops, give artificial respiration and seek medical treatment immediately. Do not inhale dust. Do not use the mouth-to-mouth method if the patient ingests or inhales the substance. Use a pocket breathing mask equipped with a one-way valve or other appropriate respiratory medical equipment to give mouth to mouth breathing. If breathing is difficult, oxygen is given (by trained personnel).

Following skin contact

Seek medical attention immediately. Wash immediately with soap and plenty of water, and remove contaminated clothing and shoes, which may cause allergic skin reactions.

Following eye contact

Seek medical attention immediately. Immediately rinse with plenty of water, including under eyelids, for at least 15 minutes. Keep eyes open while rinsing. If contact lenses are in and easily removed, remove contact lenses. Continue rinsing and do not rub the affected area.

Following ingestion

Do not induce vomiting. Rinse the mouth with water, then drink plenty of water. Do not give anything to the unconscious person through the mouth. Seek medical attention immediately.

Self-protection for first responders

Ensure that health care workers are aware of the materials involved, take their own precautions and prevent the spread of contamination. Avoid contact with skin, eyes or clothing. Do not inhale dust. If the patient ingests or inhales the substance, do not use the mouth to mouth method. Use a pocket respirator with a one-way valve or other appropriate respiratory medical device to perform artificial respiration. Use

personal protective equipment as required.
Most important symptoms/effects, acute and delayed Pruritus, rash, measles, burning sensation, cough and/or wheezing and difficulty breathing.
Most important symptoms/effects, acute and delayed Pruritus, rash, measles, burning sensation, cough and/or wheezing and difficulty breathing.
Advice for protecting the rescuer： avoid direct contact
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: N.A.
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, and use personal protective equipment as required. Evacuate personnel to safe areas, personnel must be away from the spill/leak area, or in the air outlet, to avoid dust, do not inhale dust.
Environmental precautions: To prevent further leakage or spillage as far as is safe and practicable.
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 **Safe operation instruction:** 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: 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	**Glass transition temperature :** 80℃
pH: \	**Initial boiling point and boiling range**： 260℃ decomposition
Flammability: Flammable	**Flashpoint:** 180℃
Decomposition temperature: 260℃	**Test method:** V Open Glass
Spontaneous ignition temperature: N.A.	**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 **Possible hazardous reactions under special circumstances:** It doesn't happen during normal processing.

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.
Ecotoxicity: N

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: /
Transport hazard class： /
Packing group: General solid transport.
Marine pollutant： /
Special transportation method and matters needing attention: /

Others:

IMDG/IMO	Unregulated
UN number	N, Unregulated
Proper Shipping Name	Unregulated
Hazard Class	Unregulated
Packing Group	Unregulated
Marine Pollutant	N
Special provisions	N.A.
Bulk transportation basis MARPOL 73/78	N.A.
RID	Unregulated
UN number	Unregulated
Proper Shipping Name	Unregulated
Hazard Class	Unregulated
Packing Group	Unregulated
Environment Hazards	Y
Special provisions	N.A.
ADR	Unregulated
UN number	Unregulated
Proper Shipping Name	Unregulated
Hazard Class	Unregulated
Packing Group	Unregulated
Environment Hazards	Y
Special provisions	N.A.
IATA	Unregulated
UN number	Unregulated
Proper Shipping Name	Unregulated
Hazard Class	Unregulated
Packing Group	Unregulated
Environment Hazards	N
Special provisions	N.A.

Section 15. Regulatory information

Applicable regulations: China

Section 16. Others

Reference		
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