Material Safety Data Sheet

Section 1. Identification of the chemical and supplier

Product Name: Conductive Hot Mounting Compound for Electrolytic Polishing
commodity code: AC 2265
(M)SDS Number: 2111EN
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.
Post code: 215000 Fax number: 0512-67508229
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E-mail address: sales@trojanchina.com

Section 2. Hazards identification

Hazard classification according to GHS:

Flammable Solid

Skin Sensitization	**Category 1**	**(H317)**

GHS label elements, including precautionary statements



Signal word WARNING
Hazard statement(s) H317 - May cause an allergic skin reaction
Precautionary statement(s)
Prevention

Keep away from heat sources and combustible materials.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

Response

In case of fire: Use appropriate fire extinguishing equipment.
If swallowed: Rinse mouth, induce vomiting promptly, seek medical attention immediately.
If in eyes: Immediately hold eyelids open and rinse contaminated eye with gently running water.
If on skin: Rinse thoroughly with water.
Wash contaminated clothing before reuse.

Storage

Store container in a well-ventilated place.

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

Disposal

Collect separately and dispose of according to local regulations.

Section 3. Composition/information on ingredients

Mixture: Mixture of acrylic resin and iron powder

Name： Conductive Hot Mounting Compound

Chemical Properties: Flammable gray powder

Hazardous Component Name	EC No.	CAS No.	Weight-%
Acrylic Resin	**618-347-7**	**9003-01-4**	**50-70**
Iron Powder	**231-096-4**	**7439-89-6**	**30-50**

Section 4. First-aid measures

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

First Aid Measures

Inhalation: Move to fresh air.

Skin Contact: Wash with soap and water. May cause allergic skin reaction. If skin irritation or allergic reaction occurs, seek medical attention.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting upper and lower eyelids. Consult a physician.

Ingestion: Rinse mouth with water, then drink plenty of water.

Most Important Symptoms and Health Effects: Itching, rash, hives

Protection for First-Aiders: Wear gloves and other common protective equipment

Notes to Physician: May cause allergy in susceptible individuals. Treat symptomatically.

Section 5. Firefighting measures

Suitable Extinguishing Media: Use fire extinguishing measures appropriate to local conditions and surrounding environment.

Specific Hazards Arising from the Substance or Mixture: This product is or contains a sensitizer. Skin contact may cause allergy.

Special Firefighting Procedures: Cool exposed containers with water. Wear full protective clothing.

Special Protective Equipment for Firefighters: Firefighters should wear self-contained breathing apparatus and full firefighting gear. Use personal protective equipment.

Section 6. Accidental release measures

Personal Precautions: Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use required personal protective equipment. Evacuate personnel to safe areas. Keep personnel away from spill/leak area or stay upwind.

Advice for Emergency Responders: Use personal protective equipment recommended in Section 8.

Environmental Precautions: Do not discharge into the environment.

Methods for Cleaning Up:

Containment Methods: Prevent further leakage or spillage if safe to do so.

Cleanup Methods: Pick up mechanically and place in suitable containers for disposal.

Section 7. Handling and storage

Precautions for Safe Handling:

Safe Handling Recommendations: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. If ventilation is poor, wear appropriate respiratory protection. Do not eat, drink or smoke when using this product. Remove all contaminated clothing and wash before reuse.

Storage: Keep container tightly closed and store in a dry, cool and well-ventilated place. Store under lock and key. Store out of reach of children.

Risk Management Measures (RMM): Required information is contained in this material safety data sheet.

Section 8. Exposure controls/personal protection

Occupational Exposure Limits:

Component Name	CAS	Standard Source	Limit Value
Poly(acrylic acid)	9003-01-4	GBZ 2.1—2019	MAC: PC-TWA: PC-STEL:

Biological Limit: No data available

Monitoring Methods: GBZ/T 160.1 ~ GBZ/T 160.81-2004 Determination of toxic substances in workplace air (series standards), EN 14042 Workplace air - Guide for the measurement and assessment of exposure to chemical and biological agents

Engineering Controls:

It is recommended to separate the workplace from other work areas.

Sealed operation to prevent leakage.

Enhance ventilation.

Install automatic alarm devices and emergency ventilation facilities.

Set up emergency evacuation routes and necessary risk relief areas.

Set up red zone warning lines, warning signs and Chinese warning instructions, and instal communication alarm systems.

Provide safety showers and eye wash equipment.

Personal Protective Equipment:
Respiratory Protection: When concentration exceeds limits in air, wear a filtering gas mask (half mask).
In case of emergency rescue or evacuation, wear a self-contained breathing apparatus.
Hand Protection: Wear oil-resistant rubber gloves.
Eye Protection: Wear chemical safety goggles.
Skin and Body Protection: Wear anti-toxin permeable work clothes.

Section 9. Physical and chemical properties

Appearance: Gray powder	**Odor**: None
Odor threshold: 0	**Glass transition temperature :** 80℃
pH: N/A	**Initial boiling point and boiling range**: 260° C (decomposition)
Flammability: Flammable	**Flashpoint:** 180℃
Decomposition temperature: 260℃	**Test method:** V Open Glass
Spontaneous ignition temperature: None	**Explosion limit:** None
Vapor pressure: None	**Vapor density :** None
Relative density: 1.25	**Solubility:** Do not dissolve in water

Section 10. Stability and reactivity

Stability: Chemically stable
Explosion Data:
Sensitivity to Mechanical Impact: None
Sensitivity to Static Discharge: None
Hazardous Reactions Under Special Conditions: Will not occur during normal handling
Conditions to Avoid: Unknown
Materials to Avoid: No information available
Hazardous Decomposition Products: None under normal use conditions

Section 11. Toxicological information

Routes of Exposure: Inhalation, skin, eyes, ingestion
Inhalation: Specific test data for this substance or mixture is not available.
Eye Contact: Specific test data for this substance or mixture is not available.
Skin Contact: Skin contact may cause allergy. Specific test data for this substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions in susceptible individuals.
Ingestion: Specific test data for this substance or mixture is not available.
Symptoms: Itching, rash, hives
Acute Toxicity: This product is a non-toxic substance
Chronic Toxicity or Long-term Toxicity:
Delayed and immediate effects and chronic effects from short-term and long-term exposure:

Skin corrosion/irritation: No information available
Serious eye damage/eye irritation: No information available
Respiratory or skin sensitization: Skin contact may cause allergy
Germ cell mutagenicity: No information available
Carcinogenicity: No information available
Reproductive toxicity: No information available
STOT - single exposure: No information available
STOT - repeated exposure: No information available
Aspiration hazard: No information available

Section 12. Ecological information

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

Section 13. Disposal considerations

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

Section 14. Transport information

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.A.
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	Not applicable
Special provisions	N.A.
ADR	Unregulated
UN number	Unregulated
Proper Shipping Name	Unregulated
Hazard Class	Unregulated
Packing Group	Unregulated
Environment Hazards	Not applicable
Special provisions	N.A.
IATA	Unregulated
UN number	Unregulated
Proper Shipping Name	Unregulated
Hazard Class	Unregulated
Packing Group	Unregulated
Environment Hazards	Not applicable
Special provisions	N.A.

Section 15. Regulatory information

Applicable Regulations: China

Section 16. Others

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