Material Safety Data Sheet

Section 1. Identification of the chemical and supplier

Product Name: Metallographic moulding plastics **Synonyms:**
commodity code: /
(M)SDS Number: 2404EN
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
Telephone number: 0512-67580617
E-mail address: sales@trojanchina.com

Section 2. Hazards identification

Hazard classification according to GHS:

Skin corrosion/irritation	Category 2	(H315)
Severe eye injury/eye irritation	Category 2	(H319)
Cutaneous sensitization	Category 1	(H317)
Germ cell mutagenesis	Category 2	(H341)
Carcinogenicity	Category 1A	(H350)
Specific target organ toxicity (repeated exposure)	Category 2	(H373)

Hazard pictograms**:**



Signal word: Danger

Hazard statements:
H315 - Cause skin irritation
H317 - May cause allergic skin reactions
H319 - Causes severe eye irritation
H341 - Suspicion of genetic defects
H350 –May cause cancer
H373 - Prolonged or repeated inhalation may cause damage to organs
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

Name： Universal Phenolic Resin			
Substances			
Chemical name	EC No.	CAS No.	Weight-%
Phenolic Resin	500-005-2	9003-35-4	20 -50
Wood Flour	232-674-9	9004-34-6	0-50
Silica sand	238-878-4	14808-60-7	0-40
Inorganic Fillers	207-439-9	471-34-1	0-30
Hardener	202-905-8	100-97-0	0-10

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.

Most important symptoms/effects, acute and delayed

Pruritus, rash, measles, burning sensation, cough and/or wheezing and difficulty breathing.

Advice for protecting the rescuer

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.

Special note to the doctor

May cause allergies in susceptible populations, symptomatic treatment.

Section 5. Firefighting measures

Suitable extinguishing media: Chemical dry powder, carbon dioxide (CO_2), water spray, soluble foam.

Specific hazards arising from the substance or mixture

Ignition risk. Keep products and empty containers away from heat and fire sources. In case of fire, spray the tank to cool it. Fire residues and contaminated water for fire fighting must be disposed of in accordance with local regulations. This product is or contains an allergen. May cause irritation by skin contact.

Special fire extinguishing procedure: Use a full set of NIOSH certified breathing equipment and safety clothing. Cool exposed containers with water. Water coming into direct contact with a fire foams and causes the fire to expand.

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:

Evacuate people to safety. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Personnel should be kept away from spillage/leak areas or in the upper tuyere. Do not breathe in steam or smoke.

Environmental precautions: To prevent further leakage or spillage as far as is safe and practicable. Prevent product from entering drains.

Methods and materials for containment and cleaning up

Methods for containment: If you can do it without risk, stop the leak. Do not touch or pass through leaking material. Vapor suppression foam can be used to reduce vapor. Dikes were built far from the spill to collect the waste water. Stay away from drains, sewers, ditches and waterways.

Methods for cleaning up: Take precautions against electrostatic discharge. Dam up. Absorb with inert absorbent material. Collect and transfer to appropriately labeled containers.

Section 7. Handling and storage

Precautions for handling 1, room temperature, a small amount of use, general ventilation equipment can be. 2, a large number of use or temperature rise, must use local exhaust ventilation equipment.
Precautions for storage Keep container tightly closed and in a dry, cool and well ventilated place. Keep away from heat sources, sparks, flames, and other sources of ignition (i.e. lights, motors, and static electricity).Store in appropriately labeled containers. Do not store near combustible materials. Store in a sprinkler equipped area. Storage in accordance with specific national regulations. Store in accordance with local regulations. The storage area must be locked. Store out of reach of children.
Operation cautions: Safety Instructions: Use personal protective equipment, avoid contact with skin and eyes, keep away from heat source/spark/flame/hot surface. - No smoking. Use grounding and connection when transferring this material to prevent static electricity, fire or explosion. Use fireproof flower tools and explosion-proof equipment. Store in a sprinkler equipped area. Use according to packaging label instructions. Operate in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes or clothing. 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. Do not breathe in steam or smoke. Only handle the product in a closed system or provide suitable exhaust equipment. General hygiene precautions: do not eat, drink or smoke when using this product. Contaminated work clothes shall not be taken out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before rest and immediately after handling the product. Wear appropriate gloves and eye/face protection equipment. Avoid contact with skin, eyes or clothing. Do not breathe in steam or smoke. Remove and wash contaminated clothing and gloves, including the inside, before reuse.

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 - Respiratory protection: mask or activated carbon mask. - Hand protection: gloves, polyethylene alcohol, oxidized elastomer. - Eye protection: safety glasses. - Skin and body protection: long-sleeved overalls.
Hygiene measures: Remove contaminated clothing as soon as possible after work.

Section 9. Physical and chemical properties

Appearance: Granular or powdered	**Odor**: Light carbolic acid
Odor threshold: N.A.	**Glass transition temperature :** 100℃
pH: 9 - 10	**Initial boiling point and boiling range**: N.A.
Flammability: Flammable	**Flashpoint:** 192℃
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: 1.4-2.0	**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 Y
Possible hazardous reactions under special circumstances: It doesn't happen during normal processing
Conditions to avoid: Heat source, flame and spark, overheating. **Prohibited content:** Strong acid, strong base, strong oxidant
Hazardous decomposition products: C,CO,CO_2

Section 11. Toxicological information

Exposure pathways: eye/ ingestion
Symptom: **Inhalation**: Specific test data for this substance or mixture are not available. May cause respiratory irritation and may be toxic by inhalation (depending on composition). **Eye contact:** Specific test data for this substance or mixture are not available. Stimulate eyes (depending on composition).May cause redness, itching and pain. Causes severe eye irritation. **Skin contact:** Specific test data for this substance or mixture are not available. Causes skin irritation (depending on composition).May cause irritation. Prolonged exposure may cause redness and irritation. **Ingestion**: Specific test data for this substance or mixture are not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. **Information on toxicological effects:** **Symptoms**: Pruritus, rash, hives, redness. May cause red and watery eyes, coughing and/or wheezing and difficulty breathing.
Acute toxicity: LD50:1490 mg/kg(mouse abdominal cavity);11300 mg/kg(rabbit transdermal) LC50:19689mg/m3, 4 h (rat inhalation)
Chronic or chronic toxicity: Late and immediate effects and chronic effects from short - and long-term exposures

Skin corrosion/irritation: Classification based on available data on composition. Irritating skin. Severe eye injury/eye irritation: classification based on available data on components. Irritating eyes. 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 exposure: May cause respiratory irritation. STOT - Repeated Contact: No information available Inhalation 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	Not to be discharged into the environment. Dispose in accordance with local regulations. Disposal according to 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: No special requirements.
UN Name: No special requirements.
Transport hazard class： /
Packing group: No special requirements.
Marine pollutant: No special requirements.
Special transportation method and matters needing attention: No special requirements.

Others:

IMDG/IMO	Unregulated
UN number	N, Unregulated
Proper Shipping Name	Unregulated
Hazard Class	Unregulated
Packing Group	Unregulated
Marine Pollutant	N

Environment Hazards	Y
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	Y
Special provisions	N.A.

Section 15. Regulatory information

Applicable regulations: China

Section 16. Others

Reference		
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