

Epoxy Material Safety Data Sheet (MSDS)

SECTION 1 — Chemical Product and Company Identification

SYNONYMS: EPOXY RESIN FOR FABRIC

MANUFACTURER: JIANGSU NONGCHAOER COMPOSITE MATERIAL CO., LTD

555 Jingwu Road, High Tech Zone, Jianhu County, Jiangsu Province, China

TEL: 0086 (0)573 8723 2623

EMAIL:INFO@ANJIEZJ.COM

Usage: Repair concrete cracks

CAS number: not established

Chemical family: chemical compound

1. Composition/Information on ingredients

Ingredient Name	CAS number
aromatic hydrocarbon blend	68477-31-6
Epoxy resin	25085-99-8

2. Hazards Identification

Eye Hazards

May cause eye irritation

Skin Hazards

May cause skin irritation; may cause skin sensitization

Ingestion Hazards

Harmful if swallowed

Inhalation Hazards

May cause nose, throat and lungs irritation

3. First Aid Measures

Eye

In case of contact, immediately flush eyes with plenty of water for 15mins, get medical attention immediately if irritation develops or continues

Skin

In case of contact, immediately flush skin with soap and plenty of water for at least 15mins, get medical attention immediately if irritation develops or continues

Ingestion

If swallowed, don't induce vomiting. If victim is fully conscious, give one or two cups of water or milk to drink. Get medical attention immediately.

Inhalation

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~~Remove to fresh air. If not breathing, give artificial respiration, seek medical attention.~~

4. Fire Fighting Measures

Flash Point: lower than 200°F

Autoignition Point: N/A

Fire and Explosion Hazards

None known

Extinguishing Media

In case of fire, use water spray (fog) foam, dry chemical, or CO₂

Fire Fighting Instruction

Firefighters should wear self-contained breathing apparatus and full protective gear

5. Accidental Release Measures

Avoid release to the environment. Use appropriate personal protective equipment (PPE). Contain spill and collect with absorbent material and transfer into suitable containers. Ventilate enclosed area.

6. Handling And Storage

Storage Precautions

Store in a cool area. Keep containers tightly closed.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

7. Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation.

Eye/Face Protection

Safety glasses with side shields or goggles.

Skin Protection

Chemical-resistant gloves. Lab coat or other work clothing to prevent skin exposure (Long sleeve shirt and long pants). Launder before reuse.

Respiratory Protection

A respirator protection program that meets 29 CFR 1910.134 requirement must be followed whenever workplace conditions warrant a respirator's use.

Other/General Protection

Wash thoroughly after handling.

8. Exposure Controls/Personal Protection-Continued

Ingredient(s)- Exposure Limits

AROMATIC HYDROCARBON BLEND

ACGIH TLV: NOT ESTABLISHED

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OSHA PEL: NOT ESTABLISHED

NTP: NO

IARC: NO

EPOXY RESIN

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OSHA PEL: NOT ESTABLISHED

NTP: NO

IARC: NO

9. Physical And Chemical Properties

Appearance

Light yellow liquid

Odor

Mild aromatic odor

Chemical Type: Mixture

Physical State: Liquid

Melting Point: N/A

Boiling Point: N/A

Specific Gravity: 1.1

Percent Volatiles: 0%

Vapor Pressure: N/A

Vapor Density: >AIR

Solubility: N/A

Evaporation Rate: Slower than ether

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to avoid (stability)

None Known

Incompatible Materials

Strong oxidizing materials, acids and bases.

Hazardous Decomposition Products

CO, CO₂, Aldehydes and other organics.

Conditions to avoid (polymerization)

Fires/Exotherm when curing in mass.

11. Toxicological Information

Conditions Aggravated by Exposure

Eye disease, skin disorders and allergies, chronic respiratory conditions.

Ecological Information

No data available

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SECTION 12 — ECOLOGICAL INFORMATION

NOT A MARINE POLLUTANT

SECTION 13 — DISPOSAL CONSIDERATIONS

WASTER DISPOSAL: Dispose of in accordance with local, state, and federal regulations.

SECTION 14 — TRANSPORT INFORMATION

equipment, the best summer to avoid high temperature, away from public places and densely populated places.

Package: 10kg/barrel or 20kg/barrel

To prevent the sun and rain, pay attention to gently, to prohibit the collision, transport should be equipped with the corresponding fire equipment and leakage of emergency

The substance is not subject to IMO IMG Code.

SECTION 15 — REGULATORY INFORMATION

Does not contain chemicals known to cause cancer, birth defects, or other reproductive harm.