



Material Safety Data Sheet

Printing date 05/01/2021

Reviewed on 05/01/2021

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **E-44**

Synonyms: Epoxy Resin

1.1 General Use: Laminates, Filament winding, Encapsulation
Civil engineering, Tooling, Coatings, Adhesives

1.2 Company Identification

Manufacturer's Name: Sinopec Baling Petrochemical Co., LTD

Manufacturer's Address: Yunxi district, Yueyang city, Hunan, China

Manufacturer's Telephone Number : +86-730-8493444

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Brand	Epoxy equivalent (g/mol)	Hydrolysable chlorine (wt%, ≤)	Softening point (°C)	Volatility (wt%, ≤)	Color (Pt~Co, ≤)
E-44	210~240	0.3	12~20	0.6	100

SECTION 3: HAZARD IDENTIFICATION

Main Symptoms:

Colorless or Light yellow liquid

Odorless

Repeated or prolonged contact may cause skin sensitization.

Reacts violently with acid anhydride, strong mineral acids, strong bases and oxidizing agents.

The substance irritates the eyes, the skin and is to be mutagenic.

SECTION 4: FIRST AID MEASURES

Inhalation: Move to fresh air. Get medical attention.

Skin contact: Remove contaminated clothing and wipe excess from skin.

Wash with soap and water. Get medical attention.

Eye contact: First rinse with plenty of water for several minutes (remove contact lenses if easily possible). Get medical attention immediately.

Ingestion: Wash mouth with plenty of water and give water to drink, Get medical attention immediately.



SECTION 5: FIRE FIGHTING MEASURES

Fire-fighting Media: Dry chemical, water spray, foam, carbon dioxide.

Fire-fighting instruction: Fire-fighter should wear self Contained Breathing apparatus and full protective clothing.

Special hazard: Any special hazard.

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SECTION 6: ACCIDENTAL RELEASE MEASURE

Leak/Spill: Take up with an absorbent substance such as sand, clay, then place in a container for chemical waste.

Material is flammable eliminate all ignition sources.

Flush trace residues with water. Do not allow residues to enter waterways.

SECTION 7: HANDLING AND STORAGE

Handling: Strict Hygiene. Do not eat, drink, or smoke during work. Wash hands whenever leaving the work place.

Storage: Store in tightly closed original container in a cool ventilated warehouse.

Incompatible products: Acid anhydride, amine, strong bases and oxidizing agents.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limit: N/A

Engineering measure: Local exhaust

Personal protection: Wear protective cloths, impervious gloves. Splash-proof goggles and respirator and set eye washing facilities near to the working place.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless or Light yellow liquid

Odor: Odorless.

Flash point °C: >150°C

Specific Gravity:

SECTION 10: STABILITY AND REACTIVITY

Condition to avoid: Avoid heat, sparks and flame.

Incompatibles: Acid anhydride, amines, strong bases and oxidants.

Hazardous polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data: LD50 10,000mg/kg~11,4000mg/kg(oral rat)

Effects of overexposure: Repeated or prolonged contact may cause skinsensitization. The substance irritates the eyes, the skin and the respiratory tract. The substance may be irritating to the skin and is to bemutagenic. The



substance may cause sensitization
by skin contact.

SECTION 12: ECOLOGICAL INFORMATION

Bioaccumulation: N/A
Biodegradability: N/A
Aquatic toxicity: Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

SECTION 13: DISPOSAL INFORMATION

Dispose in accordance with the Government and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

Any international and national regulatory requirements
Any other special requirements

SECTION 15: REGULATORY INFORMATION

Proposed classification: X Irritant N Dangerous for the environment.
Risk phrase R36/38: Irritating to eyes and skin.
R43: May cause sensitization by skin contact
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrase S28: After contact with skin, wash immediately with plenty of water.
S37/39: Wear suitable gloves and eye/face protection.
S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

SECTION 16: OTHER INFORMATION

The information and recommendation contained herein and based upon data believed to be correct.

However, no guarantee, no warranty or any kind expressed or implied is made with respect to the information contained herein.

