

Material Safety Data Sheet (MSDS)

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ER-65 Curing Agent

Chemical Composition:

Ingredients	CAS No.	%	Maximum Allowable Concentration in Air
Ethyl acetate	141-78-6	50~55	400ppm
Trichloroethylene	79-01-6	20~30	100ppm
Polyisocyanates	Custom-made	17~23	0.1ppm

Hazard Information:

- **Toxicity:** Irritant to the nose and throat, also irritating to the skin and eyes.
- **Main Routes of Exposure:** Eye and skin contact.
- **Symptoms:** Irritating to the skin and eyes; prolonged skin contact may cause dermatitis.
- **Potential Routes of Exposure:** Inhalation through mouth and nose.
- **Symptoms:** Overexposure by inhalation may cause headache, nausea, or even loss of consciousness.

First Aid Measures:

- **Eye contact:** Immediately rinse eyes with clean water for at least 15 minutes. Seek medical attention if irritation persists
- **Skin contact:** Wash thoroughly with soap and water. If discomfort persists, seek medical attention.
- **Inhalation:** Stop inhaling the substance and move to fresh air immediately. If symptoms persist, seek medical attention.
- **Ingestion:** Rinse mouth with water immediately. Do not induce vomiting. Remain calm and seek medical attention if needed.

Firefighting Measures:

- **Flash Point:** N.A.
- **Autoignition Temperature:** N.A.
- **Lower Explosion Limit (%):** N.A.
- **Upper Explosion Limit (%):** N.A.
- **Recommended Extinguishing Media:** Carbon dioxide, foam, dry powder, water mist.

- **Combustion Byproducts:** Hydrogen chloride, carbon dioxide, sulfur dioxide, etc.
 - **Toxicity of Combustion or Explosion Byproducts:** None.
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Emergency Response for Spill:

- **Environmental Precaution:** Prevent the product from entering drains and open water sources.
 - **Cleanup Method:** Absorb or soak up using sand, earth, or other non-combustible materials. Place the material in a sealed container before disposal.
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Handling and Storage:

- **EStorage:** Keep the container tightly closed and store in a cool, dry place.
 - **Handling:** Avoid contact with skin and eyes.
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Exposure Control and Personal Protection Measures:

- **Exposure Control:** Ensure adequate ventilation if the concentration exceeds the exposure limit.
 - **Respiratory Protection:** Ensure proper ventilation and maintain fresh air in the work area.
 - **Skin Protection:** Avoid skin contact. Wear impermeable gloves and work clothes.
 - **Eye Protection:** Wear protective goggles.
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Physical and Chemical Properties:

- **Base Material:** Not applicable (N.A.)
 - **Vapor Pressure:** N.A.
 - **Vapor Density:** N.A.
 - **Boiling Point:** N.A.
 - **Solubility in Water:** Polymerizes
 - **Density:** 1.15 g/cm³
 - **Appearance:** Pale yellow liquid
 - **Odor:** Mild
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Stability and Reactivity:

- **Stability:** Stable under normal conditions.
 - **Hazardous Polymerization:** Will not occur.
 - **Avoid Contact With:** Strong oxidizing agents, amines, water, and compounds with reactive hydrogen ions.
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Toxicological Information:

Raw Materials	Effects on Organs (Based on References)	Carcinogenicity (Based on References)
Ethyl acetate	Irritant, anesthetic	No data available
Trichloroethylene	Irritation, Allergic reactions	No data available
Polyisocyanates	Irritation, Allergic reactions	No data available

Shipping Information:

- **Dangerous Goods Classification:** Unrestricted.
- **Transportation Mode:** Unrestricted.
- **Shipping Confirmation Number:** N/A.

Ecological Information:

No data available.

Disposal Considerations:

Disposal of chemical waste should comply with local regulations.

Regulatory Information:

Users should refer to and comply with local legal requirements and regulations.