

Manufacturer:



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In case of emergency call:
CHEM TREC (800) 424-9300

1. Product Identification

Product Name: EP-PRIME 1000 Part B Curing Agent

EPA Registration #: N/A

Formular _____

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0
PERS. PROTEC. EQUIP.	H

2. Hazardous Ingredients

<u>Ingredient Name:</u>	<u>CAS #</u>	<u>Weight %</u>	<u>Occupational Exposure</u>		<u>Vap. Press mm Hg</u>
			<u>TLV</u>	<u>PEL</u>	
1,2-diaminoethane	107-15-3	2-7	10ppm	10ppm	12.6
Alkylated polyamine	68413-28-5	60-70	NE	NE	N/A
n-butanol	71-36-3	5-10	50ppm	50ppm	4.3
Naphtha	64742-95-6	2-7	50ppm	50ppm	N/A
1,2,4-Trimethyl benzene	95-63-6	1.0-5.0%	25ppm	125ppm	1.0

This product contains isocyanate based on toluene diisocyanate (TDI). Free TDI may be released at elevated temperatures during baking. TDI is highly toxic by inhalation. TDI is a severe eye, skin and mucous membrane irritant. TDI is a pulmonary and skin sensitizer. TDI is a possible human carcinogen by IARC and as a reasonably anticipated carcinogen by NTP. The OSHA and acgih exposure limit is 0.005 ppm(twa) and 0.02 ppm (stel). Contains a chemical that is toxic by ingestion, dermal absorption and inhalation. Warning: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

3. Hazard Identification

Primary Routes of Entry:

Inhalation, skin contact, eye contact, ingestion. Target organs: Kidney, liver, blood, lungs, eyes, stomach and central nervous system.

Potential Health Hazards: Skin, Inhalation and Eyes Acute:

Severe irritant of the eyes. Vapor, mist or product spatter may be harmful. Excessive or prolonged inhalation can cause headache, nausea or dizziness. Repeated and prolonged occupational overexposure to solvents is associated with permanent brain damage and nervous system damage. Intentional misuse, abuse or other massive exposure to solvents may cause multiple organ damage and or death.

Skin, Inhalation and Eyes Chronic:

Prolonged or repeated contact can cause conjunctivitis, blurred vision, tearing of eyes, redness, severe eye irritation and or burns and corneal damage.

Skin Absorption Acute:

Irritation of skin. Severe skin irritant and sensitizer. Can be absorbed through skin and cause defatting and drying of the skin.

Skin Absorption Chronic:

Prolonged or repeated contact can cause dermatitis, defatting, blistering, allergic response, severe skin irritation, severe skin burns. Possible sensitization to skin.

Inhalation Acute:

Irritation of respiratory tract. Prolonged inhalation may lead to mucus membrane irritation, fatigue, drowsiness, dizziness and or light headedness, headache, uncoordination, nausea, vomiting, diarrhea, abdominal pain, chest pain, blurred vision, coughing, numbness, difficulty with speech and apathy.

Inhalation Chronic:

Prolonged inhalation may cause nervous system depression, intoxication, metallic taste, anesthetic effect or narcosis, difficulty of breathing, bronchitis, fever, chills, dehydration, tremors, liver damage, kidney damage, pulmonary edema, pneumoconiosis, loss of consciousness, respiratory failure, asphyxiation and death.

Ingestion Acute:

Harmful if swallowed. Ingestion may cause lung inflammation and damage due to aspiration of material into lungs, mouth and throat irritation. May cause difficulty breathing, loss of consciousness, dizziness and or lightheadedness. Aspiration into lungs can cause damage to the lungs and cause chemical pneumonia.

Ingestion Chronic:

Ingestion may cause mucous membrane irritation, drowsiness, headache, uncoordination, nausea, vomiting, diarrhea, gastrointestinal disturbance, severe abdominal pain, visual disturbance, apathy, central nervous system depression, anesthetic effect or narcosis, burns of the mouth, throat and stomach, liver and kidney damage, pulmonary edema, convulsions, respiratory failure and death.

4. First Aid Measures

Skin:

Flush from skin with water. Then wash thoroughly with soap and water. Remove contaminated clothing. Wash contaminated clothing before reusing. Dispose of contaminated leather items such as shoes and belts. If irritation occurs consult a physician.

Eyes:

Flush eyes immediately. with large amounts of water, especially under the eye lid for at least 15 minutes. Obtain medical treatment.

Inhalation:

Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headaches, dizziness or other discomfort.

Ingestion:

If swallowed, obtain medical treatment immediately. Consume 1-2 glasses of water to dilute. Never give anything by mouth to an unconscious person. Do not induce vomiting.

Medical Conditions Generally Aggravated by Exposure:

Eye, skin, respiratory disorders, asthma-like conditions, kidney disorders and respiratory disorders.

Note to Physician:

Over exposure may include toxicity to liver, kidney, lungs, central nervous system and blood. Excessive inhalation of fumes may lead to metal fume fever characterized by a metallic taste in mouth, excessive thirst, coughing, fatigue, muscular pain, nausea and fever.

5. Control Measures and Personal Protection

Ventilation:

Provide dilution ventilation or local exhaust to prevent buildup of vapors. Use explosion proof equipment. Remove welding or flame cutting decomposition products.

Skin Protection:

Wear impervious gloves, impervious clothing, face shield and apron. Wear chemical resistant coveralls and shoe coverings.

Eye Protection:

Wear solvent resistant safety goggles or glasses with a face shield and splash guard.

Respiratory Protection:

Control environmental concentrations below applicable exposure standards when using this material. Use a NIOSH/MSHA approved elastomeric sealing surface face piece respirator outfitted with organic vapor cartridges and paint spray (dust/mist)

approved elastomeric sealing-surface face piece respirator equipped with organic vapor cartridges and paint spray (dust/mist) prefilters. Determine the proper level of protection by conducting appropriate air monitoring. For specific conditions, refer to current NIOSH Pocket guide to chemical hazards.

Additional Recommendations:

Use explosion and spark-proof equipment when working with this product. Wash thoroughly after handling and before eating, smoking or using the toilet. Wash contaminated clothing before reuse. Destroy contaminated leather and absorbent shoes.

6. Fire and Explosion Information

Flammable Properties:

Flash Point 90°F

Flash Point Method SETA

Extinguishing Media:

Foam, CO2 or dry chemical.

Unusual Fire and Explosion Hazards:

Closed containers may explode when exposed to extreme heat and pressure buildup. May produce a floating fire hazard. Isolate from electrical equipment, sparks, heat and open flame. Vapors may spread long distance, cause flash fire or ignite explosively.

Special Firefighting Precautions/Instructions:

Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing and equipment including but not limited to, eye protection and self-contained breathing apparatus.

7. Physical and Chemical Properties

<u>Appearance</u>	Liquid
<u>Odor</u>	Solvent
<u>Specific Gravity</u>	
<u>Solubility</u>	in H2O, none.
<u>Boiling Point</u>	240-340°F
<u>Vapor Density</u>	Heavier than air.
<u>Evaporation Rate</u>	Slower than Butyl Acetate.
<u>Flash Point</u>	90°F
<u>Flash Point Method</u>	SETA

8. Stability and Reactivity

Stability Stable under normal storage conditions.

Conditions to Avoid Heat, open flame, arc or sparks.
Strong oxidizers, acids and alkalis

Incompatibilities Strong oxidizers, acids and alkalis.

Hazardous Decomposition Products. .

By fire, burning or welding: CO, CO₂, NO_x, Aldehydes, toxic gases or fumes.

Hazardous Polymerization. Will not occur under normal conditions.

9. Handling and Storage

Store below 100F(38C). Keep away from heat, sparks, and open flame. Keep away from direct sunlight, heat and all sources of ignition. Keep container tightly closed in a well ventilated area. Keep container tightly closed and upright when not in use. Empty containers may contain hazardous residues. Ground equipment when transferring to prevent accumulation of static

10. Toxicological Data

See section 2.

11. Ecological Data

No additional information provided for this product. See Section 2 for chemical specific data.

12. Accidental Release Measures

ALWAYS WEAR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT!

In Case of Spill or Other Release:

Comply with all applicable health and environmental regulations. Eliminate all sources of ignition. Ventilate area. Spills may be collected with absorbent materials. Evacuate all unnecessary personnel. Place collected material in proper container. Wet down spilled material with water. Complete personal protective equipment must be used during cleanup. Large spills-shut off leak if safe to do so. Dike and contain spill. Pump to storage or salvage container.

13. Disposal Consideration

Dispose of in accordance with all local, state, and federal regulations.

14. Transportation Information

Proper Ship Name. . . Paint Related Materials
DOT Haz. Class . . . 3
DOT ID#. UN1263
Packing Group. III
Label Required. Combustible Liquid

Proper Ship Name. . . CONSUMER COMMODITY
Label Required. ORM-D

15. Regulatory Information

Regulatory Data in this section is not intended to be all inclusive, only selected regulations are represented.

EPA Registration Number : N/A

SARA TITLE III SECTION 313 CHEMICALS (listed if applicable):

1,2,4-Trimethyl benzene
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16. Disclaimer

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