

MATERIAL SAFETY DATA SHEET

IDENTITY: EP-75 Part B

Date of Preparation: 10/1/2004

SECTION I - Material and Manufacturer Identification

Manufacturer's Name & Address

Coastal Enterprises Company
P.O. Box 4875
Orange, CA 92863-4875

Emergency Telephone Numbers:

Transportation Emergencies: Call CHEMTREC
(800) 424-9300 (202) 483-7616 (Collect) from
Alaska & Hawaii

For Information:
(800) 845-0745

Health Emergencies: Call LOS ANGELES
POISON INFORMATION CENTER (24 hrs.)
(800) 356-3129

Product Name: EP-75 Epoxy Bonding Adhesive (Catalyst) Part B

Chemical Names: Nonylphenol

SECTION II - Hazardous Ingredients

Hazardous Components	OSHA PEL	ACGIH TLV	%
Nonylphenol 25154-52-3	N/E	N/E	25-40
N-Aminoethypiperazine 140-31-8	N/E	N/E	5-15
2,4,6- Tris<Dimethylamino>methyl/phenol 90-72-2	N/E	N/E	1-10

Maintain air contaminant at the lowest feasible levels.

N/E = Not Established

HMIS

Health

3

Reactivity

0

Flammability

1

SECTION III - Physical/Chemical Characteristics

VAPOR DENSITY	BOILING POINT	SPECIFIC GRAVITY	LBS/GAL
(Air=1) No Data	222c	1.7	11.0

VAPOR PRESSURE

< 5 @ 25 C

APPEARANCE/ODOR

Black, creamy liquid with
ammoniacal & phenolic odor.

SOLUBILITY IN WATER

Slight

MELTING POINT (F)

N/A

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT

> 240 F - Pensky Martin
Closed Cup

FLAMMABLE LIMITS

No Data

EXTINGUISHING MEDIA

Class B Fire. Use water spray, carbon dioxide dry chemical alcohol foam.

UNUSUAL FIRE AND EXPLOSION HAZARDS

May generate toxic or irritating combustion products. Sudden reaction and fire may result if product is mixed with an oxidizing agent.

SPECIAL FIRE FIGHTING PROCEDURES

Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists. Contain water runoff for later disposal.

SECTION V - Reactivity Data

Stability:	Stable
Conditions to Avoid:	Not applicable
Hazardous Polymerization:	Will not occur
Materials to Avoid:	Oxidizing agents, cleaning solutions, e.g. (chromerge and aqua regia) mineral acids. A reaction accompanied by large heat release occurs when product is mixed with acids. Heat may be sufficient to cause boiling creating a splash hazard.
Hazardous Decomposition Products:	Carbon monoxide & carbon dioxide in a fire. Ammonia when heated. Nitrogen oxides in a fire. Nitrogen oxide can react with water vapors to form nitric acid. Combustion under oxygen starved conditions can produce toxic products including nitriles, cyanic acid isocyanates cyanogens, nitrosamines, amides, carbamates. Irritating and toxic fumes at elevated temperatures.

SECTION VI - Health Hazard Data

Severe eye irritant. Severe skin irritant. Severe respiratory irritant. Corrosive liquid. May cause skin sensitization.

Inhalation:	May cause irritation, coughing and chest pain may result.
Ingestion:	May cause bleeding of the gastrointestinal tract and the vomiting of blood.
Skin & Eye Contact:	Undiluted product quickly causes severe irritation and pain and may cause burns, necrosis and permanent injury. Burns of the eye may

cause blindness. Product vapor in low concentrations can cause lacrimation, conjunctivitis, and corneal edema when absorbed into the tissue of the eye from the atmosphere. Corneal edema may give rise to a perception of "blue haze" around lights. The effect is transient and has no residual effect. Product is readily absorbed through the skin and may cause malaise, discomfort, injury and death unless treated promptly. Prolonged contact may result in chemical burns and permanent damage.

Chronic: Repeated or prolonged exposure may cause allergic reaction sensitization, adverse respiratory effects (cough, tightness of chest, short breath), skin effects (defatting, rash, irritation, corrosion), eye effects (conjunctivitis, corneal damage).

Medical Conditions: Asthma, chronic respiratory disease, eye disease, skin disorder and allergies.

Aggravated by Exposure:

Chronic/Subchronic Data: Subchronic exposure in test animals has caused changes in nervous system effects.

SECTION VII - Precautions For Safe Handling and Use

SPILLAGE OR RELEASE:

If material is spilled: Ventilate spill area. Construct a dike. Eliminate ignition sources. Use self-contained breathing apparatus and butyl rubber protective clothing. Cover minor spills with sodium bisulfate to neutralize and reduce vapors. Place in metal containers for disposal. Prevent product from entering streams or drinking water supplies. Evacuate all personnel upwind from spill.

WASTE DISPOSAL METHOD:

Comply with all federal, state and local regulations. Incineration is acceptable and the preferred method.

SECTION VIII - Special Protection Information

RESPIRATORY PROTECTION

In poorly ventilated areas, a cartridge mask (NIOSH) approved for organic vapors is recommended or when vapor concentration exceeds 20 PPM for more than 15 minutes.

VENTILATION

Adequate general and local exhaust. In case of insufficient ventilation, wear suitable respiratory equipment.

PROTECTIVE GLOVES

Impermeable Neoprene rubber gloves.

EYE PROTECTION

Chemical splash-proof goggles. Contact lenses should not be worn. Use full-face shield in emergency situations.

OTHER PROTECTIVE EQUIPMENT

For operations where contact can occur, use a face shield, impervious body covering, and boots. A safety shower and eyewash should be available.

SPECIAL PRECAUTIONS

1. Prevent all skin and eye contact. Wear protective clothing/gloves.
2. Avoid breathing vapors.
3. Keep containers closed when not in use. Re-seal partly used containers.
4. Ensure that all containers are properly labeled.
5. Wash with soap and water before eating, drinking, smoking, or using toilet facilities.
6. Remove all contaminated clothing, shoes, belts, and other leather goods immediately. Incinerate leather goods. Wash contaminated clothing thoroughly before reuse.
7. Solvents should not be used to clean skin because of increased penetration potentials.
8. Observe conditions of good industrial hygiene and safe working practices.
9. Keep in cool, dry ventilated storage. Store in steel containers.
10. Keep away from oxidizers, heat or flames.
11. Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Cancer-causing

Nitrosamines could be formed.

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