

# MATERIAL SAFETY DATA SHEET

**IDENTITY:** PB Bond-240

**Date of Preparation:** 1/9/09

## 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:** PB Bond-240

**Chemical Names:** Polyisocyanate based on Polymeric Diphenylmethane Di-Isocyanate (MDI)

PB Bond is not considered a Hazardous Material per the U.S. Department of Transportation.  
NMFC 4620-5

## SECTION II - Hazardous Ingredients

INGREDIENT	% WT.	CAS NO.	TLV
Polyisocyanate Based Polymeric Diphenylmethane Di-Isocyanate (MDI)	35-45	101-68-8 (MDI)	.02 ppm
Phenyl Isocyanate	Trace	103-71-9	N.E.

## SECTION III - Physical Data

**VAPOR DENSITY**  
8.6

**BOILING POINT**  
646<sup>o</sup>F

**SPECIFIC GRAVITY**  
± 1.12

**VOC**  
0

**VAPOR PRESSURE**  
< 0.00001 mbar @ 20°C

**APPEARANCE/ODOR**  
Viscous Liquid, Dark Brown,  
Slightly Aromatic or Musty

**SOLUBILITY IN WATER**  
Not Soluble

**MELTING POINT (F)**  
N/A

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## SECTION IV - Fire and Explosion Hazard Data

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**FLASH POINT**  
200°F

**FLAMMABLE LIMITS**  
Lower: N.E. (Nonvolatile Fluid)  
Upper: N.E. (Nonvolatile Fluid)

**EXTINGUISHING MEDIA**

In case of fire use CO<sub>2</sub> dry chemical extinguishers such as Monoammonium Phosphate or Potassium Sulphate, Potassium Chloride/CO<sub>2</sub>.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Water contamination will produce carbon dioxide. Do not re-seal water contaminated containers as pressure buildup may rupture them.

**SPECIAL FIRE FIGHTING PROCEDURES**

If water is used, use large amounts as the reaction between hot isocyanates and water can be vigorous. Use self-contained breathing apparatus and body covering protective clothing. Carbon Monoxide, Nitrogen Oxide, and Isocyanate vapors may be released during fires.

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## SECTION V - Reactivity Data

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**STABILITY:** Stable  Unstable

**CONDITIONS TO AVOID:** Temperatures below 40°F and freezing.

**INCOMPATIBILITY:** Avoid contact with strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May cause hazardous fumes when heated to decomposition. Fumes may contain carbon monoxide, carbon dioxide, nitrogen oxide, isocyanate vapors. Keep product away from oxidizing agents, strong alkalines and acidic products. Exothermic reactions occur with amines and alcohols.

**HAZARDOUS POLYMERIZATION:** May Occur  Will Not Occur

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## SECTION VI - Health Hazard Data

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**HEALTH HAZARDS:** Product reacts with skin protein & tissue moisture and can cause localized irritation. Prolonged contact can cause skin sensitization resulting in dermatitis.

**CARCINOGENICITY:** No conclusive evidence has indicated that polymeric MDI is carcinogenic.

**SIGNS & SYMPTOMS OF EXPOSURE:** Irritation of the mucous membrane in the respiratory tract. Runny nose. Sore throat. Productive cough. These effects are usually reversible.

**EMERGENCY & FIRST AID PROCEDURES:**

Ingestion - Do not induce vomiting. Drink milk or water and contact physician.

Eye Contact - Flush eyes with water for at least 15 min.

Inhalation - Move to fresh air.

Skin Contact - Wash thoroughly with plenty of soap and water.

**PRIMARY ROUTE(S) OF ENTRY**

Skin  Breathing  Swallowing

**EMERGENCY AND FIRST AID PROCEDURES**

**If Breathed:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, summon medical assistance immediately.

**In Eyes:** In case of eye contact, flush with large amounts of water for at least 15 minutes. Get medical assistance.

**If On Skin:** In case of skin contact, wash area thoroughly with soap and water. Remove soiled clothing. Get medical assistance if irritation persists.  
**If Swallowed:** DO NOT INDUCE VOMITING. Consult physician immediately. Aspiration of vomitus can cause chemical pneumonitis which can be fatal.

**COMMENT:** This material has not been identified as a carcinogen by NTP, IARC, or OSHA.

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## SECTION VII - Precautions For Safe Handling and Use

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**SPILLAGE OR RELEASE:** Uncured product should be removed with sawdust, vermiculite, or sand. Pour decontamination solution (98% water, 2% detergent) over spillage area and collect material in open containers after 10-15 minutes. Keep containers open for several days. Do not release into enclosed environment. Use reciprocating systems.

**WASTE DISPOSAL METHOD:** In accordance with federal, state, and local industrial waste regulations.

**Handling & Storing:** Keep containers tightly closed and dry while storing. Storage temperatures should be between +50°F and 95°F (+10°C and 50°C). Use in well ventilated areas. Avoid eye and skin contact.

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## SECTION VIII - Special Protection Information

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### VENTILATION

Use only with adequate ventilation. Exhaust to ensure TLV levels of less than 0.02 ppm.

### PROTECTIVE GLOVES

Do not get on skin. Solvent impermeable gloves to prevent contact are recommended.

### EYE PROTECTION

Do not get in eyes. Solvent resistant safety eyewear, with splashguards or side shields, are recommended to prevent contact. Do not use product while wearing contact lens.

### HYGIENIC PRACTICES

Remove and wash soiled clothing before reuse. Wash hands before eating, smoking or using the washroom.

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