SAFETY DATA SHEET

EP-76 Hardener

Section 1. Identification

Product Identifier: EP-76 Hardener

Product type: Modified Amine Mixture

Recommended Use: Use to bond Precision Board Plus High-Density Urethane to make larger sheets or blocks.

Manufacturer's Name & Address
Coastal Enterprises Company
P.O. Box 4875
Orange, CA 92863-4875
Non- Emergency phone
(800) 845-0745

Emergency Telephone Number (24/7)

Chemtrec: (800) 424-9300

Section 2. Hazards Identification

NO.	CANCER	REPRO-TOX	TARGET ORGANS	ACGIS/TLV	OSHA/PEL
P	NO	NO	UNKNOWN	N.A.mg/M^3	N.A.mg/M^3

GHS label elements

Signal Word: Danger

Hazard Labels: Corrosive Irritant

Hazard Statements
- H318: Causes serious eye damage (Eye Dam. 1)
- H302: Harmful if swallowed (Acute Tox. 4 Oral)
- H332: Harmful if inhaled (Acute Tox. 4 Inhalation)
- H317: May cause an allergic reaction (Skin Sen. 1)

Precautions
- P202: Do no handle until all precautions have been read and understood.
- P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
- P270: Do not eat, drink. or smoke when using this product.
- P281: Use personal protective gear as required.
- P285: In case of inadequate ventilation wear respiratory protection.
- P273: Avoid release to the environment.

Section 3. Composition / Information on Ingredients

Under GHS-OSHA 4.11 the precise composition of this product is withheld as confidential business information (CBI. A more complete disclosure can be provided to a health or safety professional when necessary.

Substance/Mixture: Mixture

NO. Component	C.A.S. NO.	Percent
P. Modified Amine Mixture	N/A	<100%

Section 4. First-Aid Measures

Description of necessary first aid measures

Eye Contact:	Immediately flush eyes with water, lift upper and lower eyelids. Remove contact lenses. Get medical attention if irritation persists.
Inhalation:	Move to an area that has plenty of fresh air. Rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin Contact:	Flush contaminated skin with water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion:	Do not induce vomiting. Wash out mouth with water. Seek fresh air and rest in a comfortable position for breathing. If material has been swallowed, drink small quantities of water. Get medical attention if symptoms occur.

Section 5. Fire-Fighting Measures

Flash Point	200^0F
Flammability Classification:	Combustible Class (IIIB)
Extinguishing Media:	Water Fog, Dry Chemical, Carbon Dioxide, or Foam
Note:	Either atmosphere-supply or air-purifying respirators should be available for fire fighters (20 CPR 1910 134)
Specific hazards arising from the material	No specific fire or explosion hazard
Hazardous thermal decomposition products	No specific data
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire, No action will be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. **Note:** Either atmosphere-supply or air-purifying respirators should be available for fire fighters (20-CFR 1910.134)

Section 6. Accidental Release Measures

If Material is Spilled:	Avoid contact with material. Persons not wearing proper protective equipment should be excluded from the area until clean up is complete. Dike area to prevent spill spreading and scoop up excess to recovery containers. Absorb remnant on noncombustible material such as clay and shovel into containers for disposal.
Waste Disposal Method:	Dispose of any waste generated above in accordance with federal state and local regulation.

Section 7. Handling and Storage

Precautions for safe handling

Protective measures	Put on protective equipment (See Section 8)
Advice on general hygiene	Eating, drinking should be prohibited in areas where this material is handled and stored. Wash hands and face before eating and drinking. Remove contaminated clothing and protective equipment before entering eating areas.
Conditions for safe storage	Ensure that all containers are properly labeled to prevent accidental ingestion or improper disposal. Reseal partly used containers. Store under cool, dry conditions and away from open flames and high temperatures. Observe conditions of good industrial hygiene and safe working practice.

Section 8. Exposure Controls / Personal Protection

Respiratory Protection:	Not normally necessary unless the material is being used in such a way as to produce dust, mist, vapor, fumes, or smoke, in which case NOISH approved respiratory protection should be used.
Ventilation:	Should be sufficient to control any dust, mist, vapor, or fumes produced by processing or handling method. Breathing of vapor must be avoided.
Hand Protection:	Impervious gloves, neoprene or nilrile rubber gloves recommended.
Eye/Face Protection	Splash proof goggles, or safety glasses with side shields recommended.
Hand Protection	N/A
Body Protection	Clean, body covering clothing and footwear.

Section 9. Physical and Chemical Properties

Appearance

Physical state	Liquid	Vapor pressure	Negligible
Color	Amber	Vapor density	N/A
Odor	Ammonia Like	Specific gravity	.94
Odor threshold	N/A	Solubility in water	N/A
pH	Alkaline	Partition coefficient	N/A
Melting point/Freezing	N/A	Auto-Ignition temp.	N/A
Boiling/condensation point	N/A	Decomposition temp	N/A
Flash point	N/A	Viscosity	N/A
Evaporation rate	N/A	Density	7.8
Flammability (solid, gas)	IIIB		
Lower and upper explosive (flammable) limits	N/A		

Section 10. Stability and Reactivity

Reactivity:	No specific test data related to reactivity available for this product or its ingredients
Chemical stability:	Stable under normal storage conditions. Unstable at elevated temperatures.
Possibility of hazardous reactions	Unknown
Conditions to avoid	No specific data
Incompatible materials	Strong oxidizing agents, lewis or mineral acids, mineral and organic bases especially aliphatic amines.
Hazardous decomposition and other unknown organic compounds	Oxides of Carbon and nitrogen, nitric acid, nitrosoamine,

Section 11. Toxicological Information

Effects of Overexposure:

Acute:

Eyes	Causes severe conjunctival irritation, corneal injury, and iritis.
Inhalation	Vapors are irritating and may cause tears, burning of nose and throat, coughing, wheezing, nausea, and vomiting.
Skin contact	May cause irritation, burs, ulceration, or skin sensitization.
Ingestion	Moderately toxic, may cause mouth and throat burns, abdominal pain, nausea, vomiting, weakness, thirst, and coma.
Chronic:	Amine Vapors may cause liver & kidney injury. Eye skin or lung disorders may develop or be aggravated by amines.

Symptoms related to the physical, chemical and toxicological characteristics

Eye Contact:	No specific data
Inhalation	No specific data
Skin contact	No specific data
Ingestion	No specific data

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential	N/A
Immediate effects	N/A

Potential chronic health effects

General	No known significant effects or critical hazards
Carcinogenicity	No known significant effects or critical hazards
Mutagenicity	No known significant effects or critical hazards
Teratogencity	No known significant effects or critical hazards
Developmental effects	No known significant effects or critical hazards
Fertility effects	No known significant effects or critical hazards

Numeric measures of toxicity
Acute toxicity estimates N/A

Other Information: N/A

Section 12. Ecological Information

Ecotoxicity Effects:
Aquatic Toxicity: No data available

Toxicity of other organisms: No data available

Persistance and Degradability
Mobility No data available
Bioaccumulation: No data available

Section 13. Disposal Considerations

Disposal methods: Generation of waste should be avoided or minimized whenever possible. Disposal should be in accordance with applicable regional, national and local laws and regulations. Dispose of surplus and non-recyclable products via a licensed waste contractor.

Section 14. Transport Information

Proper shipping name: Corrosive Liquid, N.O.S. Contains Modified Amine Mixture

DOT / IMDG / TDG / IATA Regulated

UN Number	1760	
Hazard Class	8	Pkg Group III
Marine Pollutant	NO	

Section 15. Regulatory Information

Safety, health and environmental regulations specific for this product:

United States Regulations

TSCA 8(b) Inventory All components are listed or exempted

TSCA 5(a) 2 final significant new use rule (SNUR) No ingredients listed

TSCA 5(e) substance constant order No ingredients listed

TSCA 12(b) export Notification No ingredients listed

Clean Air Act-Ozone	This product does not contain nor is it manufactured with ozone depleting substances

SARA Title III	NO.	RQ (lbs)	TPQ (lbs)	SEC.313	313 CAT.	311/312
52 CFR 13378		*1	*2	*3	*4	*5
52 CFR 21152	P	None	Not listed	Not listed	None	H1,H2

*1 Reportable quantity of extremely hazardous substance, SEC 302
*2 Threshold Planning quantity, extremely hazardous substance SEC 302
*3 Toxic chemical SEC 313
*4 Toxic release inventory form category SEC 313
*5 Hazard category for SARA SEC 311/312 Reporting

CERCLA Hazardous substances	Releases exceeding the reportable quantity (RG) must be reported to the National Response Center. (800) 424-8802 RQ=100lbs (unlisted hazardous waste - characteristic of corrosivity)
RCRA 40 CFR 302.4	RQ=1000 lbs >10%

State regulations

Pennsylvania - RTK	No ingredients listed
California Prop 65	This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels, which would require a warning under the statute.

Canadian regulations

CEPA DSL	All components are listed or exempted
WHMIS (Canada)	D2B Materials causing other toxic effects-toxic material
WHMIS	E-Corrisive Material

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

SCAQMID Rules	This product does contain solvents, but may contain ingredients with VPS low enough to be emitted if heated alone. When 2 part resins and hardeners are properly mixed together these ingredients react together and are consumed without significant atmospheric emissions.

Brazil Regulations

Classification system used	Norma ABNT-NBR 14725-2:2012

International lists:

Australia Inventory (AICS):	All components are listed or exempted
China Inventory (IECSC)	All components are listed or exempted
Japan Inventory	All components are listed or exempted
Korea Inventory	All components are listed or exempted
Malaysia Inventory (EHS Register)	Not determined
New Zealand Inventory of Chemicals (NZIoC)	At least one component is not list
Phillippines Inventory (PICCS)	All components are listed or exempted
Taiwan Inventory (CSNN)	Not determined

Section 16. Other Information

Hazardous Material:
Information System (USA)

Health:	2
Flammability:	1
Physical Hazards:	0
Personal Protection:	0

The customer is responsible for determining the PPE code for this material.

Caution HMIS(R) ratings are based on a 0-4 rating scale with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS(R) ratings are not required on SDSs under 29 CFR 1910 1200, the preparer may choose to provide them. HMIS(R) are to be used with a fully implemented HMIS(R) program.

HMIS(R) is a registered mark of the National Paint & Coatings Association (NPCA). HMIS(R) materials may be purchased exclusively from J. .J. Keller (800) 327-6868.

National Fire Protection Association (USA)	Health:	2
	Flammability:	1
	Physical Hazards:	0
	Personal Protection:	0

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 This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health, and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

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Notice to Reader

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