Material Safety Data Sheet

1. Identification of Substance/ Preparation and Company

Product Name:	**PES-CHEM 505 DAMP SEAL ACTIVATOR**
Company:	POLYMERIC ENGINEERED SOLUTIONS, 5401 HWY 21 W, BRYAN, TX 77803
Chemical Name & Synonyms:	Accelerated polyamidoamine epoxy hardener
For Information:	Call 979-779-8700 www.pes-solutions.com email: pes1@pes-solutions.com
In an Emergency:	As Above

2. Hazards Identification

Harmful by inhalation and if swallowed. Causes burns. May cause sensitization by skin contact. Possible risk of impaired fertility.

Signs and Symptoms of Exposure (Acute Effects)

Contact of product with the eyes or skin quickly causes severe irritation ad may cause burns or narcosis and permanent injury. Inhalation of vapors may severely damage tissue and produce scarring. Vapor in low concentrations can cause lacrimation conjunctivitis and corneal edema when absorbed into the tissue of the eye. Inhalation of vapors may cause irritation in the respiratory tract coughing and chest pain may result.

3. Composition/ Information on Ingredients

Hazardous Components	Cas Number	Percentage	Classification
Benzyl Alcohol	100-51-6	25-50%	Xn, R20/22
Bisphenol A	80-05-7	2.5-10%	Repro Cat 3 Xn; Xi, R37-41-43-62
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	2.5-10%	Xn; R21/22, C, R34, Xi;R43,N,R52/53
m-phenylenebis(methylamine)	1477-55-0	2.5-10%	C, R34, Xn, R22, Xi, R43, N, R52/53
3-aminopropyldimethylamine	109-55-7	2.5-10%	C, R34, Xn; R10-22, Xi; R43
2,4,6-tris(dimethylaminomethyl) Phenol	90-72-2	2.5-10%	Xn; R22, Xi; R36/R38

4. First Aid Measures

Summon immediate medical assistance after contact with skin, eyes, inhalation or ingestion

Eye: Flush eyes with plenty of water, seek medical advice

Skin: Remove product and contaminated clothing and wash area with water, seek medical advice. Except in most minor, superficial or localized burns, cover the affected area with a sterile dressing or clean sheeting. DO NOT APPLY GREASES OR OINTMENTS.

Ingestion: Drink plenty of water, DO NOT INDUCE VOMITING, seek medical attention immediately

Inhalation: Remove patient to fresh air. If breathing has stopped give assisted respiration. Prevent aspiration of vomit. Turn victims head to one side. Seek medical advice

First Aiders should protect themselves from exposure (Ref to section 8)

5. Fire Fighting Measures

Extinguishing Media: Ignition will give rise to class B Fire, in case of fire use Water sprays, Dry chemical, CO2 or Alcohol foam

Exposure Hazards: May generate toxic, irritating or flammable combustion products. Sudden reaction and fire may result if mixed with an oxidizing agent.

Fire Fighting Equipment: Wear Self contained breathing apparatus, rubber boots, gloves and body suit

6. Accidental Release Measures

Avoid contamination of ground and surface waters. Scrape up and transfer into a suitable container. Wash area with water.
Refer to section 5, 8 and 13 for protective Measures and Disposal.

7. Handling and Storage

Avoid contact with skin, eyes and clothing. Handle in well ventilated area. Avoid breathing vapors. Wash hands after contact. Keep container tightly closed in a cool, well ventilated area. Keep away from oxidizers, heat or flames.

8. Exposure Controls/ Personal Protection

OCCUPATIONAL EXPOSURE LIMITS – 2,2iminodiethylamine WEL-LONG-TERM VALUE – 1ppm, 10mg/ m3

Respiratory:	Not required during normal use
Ingestion:	Not during normal use
Skin Protection:	Protective clothing should be worn to avoid skin contact
Eye Protection:	Safety Goggles

9. Physical/ Chemical Properties

Appearance:	Amber Fluid	**Odor:**	Ammoniacal, Fishy
Viscosity:	N/A	**Specific Gravity:**	1.02g/cm3 at 68˚F
Boiling Point/ Range:	>392˚F	**Flammability:**	N/D
Flash Point;	186.8˚F	**Melting Point:**	-0.4˚F
Auto Flammability:	N/D	**Explosive Properties:**	Lower: 1.3 vol% Upper: 13.0% vol
Oxidizing Properties:	N/D	**Vapor Pressure:**	0.3hPa at 68˚F
Evaporation Rate:	N/D	**Solubility:**	Insoluble in water
PH:	Alkaline	**Partition Coefficient:**	N/D

10. Stability and Reactivity

Stability;	Stable
Materials to Avoid:	Oxidizing agents – cleaning solutions. Acids - reaction accompanied by large heat release occurs when the product is mixed with acids
Hazardous Decomposition:	Carbon Monoxide, Carbon Dioxide in a fire. Ammonia when heated. Nitrogen Oxides in a fire. Combustion in an oxygen starved environment produces toxic products including nitriles and amides
Hazardous Polymerizations:	None

11. Toxicological Information

Oral:	Harmful by inhalation or if swallowed
Inhalation:	N/A during normal use
Eye:	Severe irritant. May cause burns
Skin:	Severe Irritant. May cause burns

12. Ecological Information

Do not allow to enter water course. Waste from this product may present long term environmental hazards. Thus landfill sites must be considered less acceptable than incineration.

13. Disposal Considerations

In uncured state, dispose as chemical waste in accordance with local regulations.
In cured state when mixed correctly with the base component, dispose as solid waste

14. Transport Information

UN No: 2735 **Class:** 8 **P.G:** III **Technical Name:** Amine, liquid, corrosive, N.O.S. (m-phenylenebis(methylamine)

15. Regulatory Information

Labeling:	Corrosive (C), Harmful (Xn),	
R Phrases	(R34)	Causes Burns
	(R20/22)	Harmful by inhalation and if swallowed
	(R43)	May cause sensitization by skin contact
	(R62)	Possible risk of impaired fertility

S Phrases	(S2)	Keep out of reach of children
	(S26)	In case of contact with eyes, rinse immediately with plenty of water and seek medical advices
	(S36/37/39)	Wear suitable protective clothing, gloves and eye/face protection
	(S45)	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Regulations: All components of this product are listed on the TSCA Inventory or are exempt from listing

16. **Other Information**

Risk phrases used in section 3 and not previously mentioned:

R10; flammable. R22; Harmful if swallowed. R21/22; Harmful in contact with skin if swallowed. R36/38; Irritating to skin and eyes. R37; irritating to respiratory system. R41; Risk of serious damage to eyes. R52/53; Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

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