

# Material Safety Data Sheet

## 1. Identification of Substance/ Preparation and Company

Product Name: **PES-CHEM 502 CRXF ACTIVATOR**  
Company: PLANT EQUIPMENT & SVCS, 5401 HWY 21 W, BRYAN, TX 77803  
Chemical Name & Synonyms: Modified Epoxy Resin  
For Information: Call PH: 979-779-8700 [www.pes-solutions.com](http://www.pes-solutions.com) email: [pes1@pes-solutions.com](mailto:pes1@pes-solutions.com)  
In an Emergency: CHEMTREC – 800-424-9300 (24 HRS)

## 2. Hazards Identification

Corrosive, causes burns.

Irritating to eyes, skin and respiratory system. May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

### Signs and Symptoms of Exposure (Acute Effects)

In contact with skin and eyes causes irritation. Can lead to sensitization

### Signs and Symptoms of Exposure (Possible long term effects)

Soreness. Red Skin. Rash. May cause sensitization

## 3. Composition/ Information on Ingredients

Hazardous Components	Cas Number	Percentage	Classification
p-Tert-butyl phenol	98-54-4	<40%	R36/37/38
m-xylene diamine	1477-55-0	<10%	R20/22-34-43-52/53
4-nonyl-phenol	25154-52-3	<5%	R22-34-50/53

## 4. First Aid Measures *Summon immediate medical assistance after contact with skin, eyes, inhalation or ingestion*

**Eye:** Immediately flush eyes with plenty of running water for at least 15 minutes. If irritation persists seek medical advice  
**Skin:** Remove contaminated clothing immediately. Wash affected area with soap and water. If irritation persists seek medical attention.  
**Ingestion:** Do not induce vomiting. Rinse mouth and drink plenty of water. Seek medical attention  
**Inhalation:** Remove person to fresh air.  
**FIRST AIDERS SHOULD PROTECT THEMSELVES FROM EXPOSURE (Ref SECTION 8)**

## 5. Fire Fighting Measures

**Extinguishing Media:** Dry powder, CO2 or foam  
**Exposure Hazards:** Thick dense black smoke. Carbon Monoxide and oxides of nitrogen maybe released  
**Fire Fighting Equipment:** Wear Self contained breathing apparatus, rubber boots, gloves and body suit

## 6. Accidental Release Measures

Avoid skin and eye contact. Prevent from entering sewer system, surface water or soil. For large amounts dike spilled product with liquid absorbing material and pump off. For small spills soak up and transfer to a suitable container. Wash area with water.  
*Refer to section 5, 8 and 13 for Protective Measures and Disposal.*

## 7. Handling and Storage

Store in a cool dry area between 50F and 86F, away from direct sunlight, heat and sources of ignition – no smoking. Use in well ventilated area. Wash hands after contact.

## 8. Exposure Controls/ Personal Protection

### OCCUPATIONAL EXPOSURE LIMITS

**Respiratory:** Not required during normal use  
**Ingestion:** Not during normal use  
**Skin Protection:** Protective clothing should be worn to avoid skin contact, PVC or Rubber gloves  
**Eye Protection:** Safety Goggles

# Material Safety Data Sheet

## 9. Physical/ Chemical Properties

<b>Appearance:</b>	Viscous liquid	<b>Odor:</b>	Aromatic
<b>Viscosity:</b>	Thick liquid	<b>Specific Gravity:</b>	1.04g/cm <sup>3</sup> at 68F
<b>Flash Point:</b>	>141.8F	<b>Melting Point:</b>	N/A
<b>Evaporation Rate:</b>	N/A	<b>Solubility:</b>	Insoluble in water/ Soluble in with organic solvents

## 10. Stability and Reactivity

<b>Stability:</b>	Stable
<b>Materials to Avoid:</b>	None identified
<b>Hazardous Decomposition:</b>	In a fire carbon monoxide and oxides of nitrogen may be released

## 11. Toxicological Information

<b>Acute Toxicity:</b>	No specific data available
<b>Health Warning:</b>	Persons who suffer from asthma or chronic bronchitis are advised not to work with this product. Vapor or spray Mist may cause irritation of the eyes, mucous membrane and respiratory organs. High concentrations of the vapor may cause dizziness, headaches, nausea, confusion, drowsiness and possible unconsciousness. Prolonged or repeat Contact with the skin may cause anemia and tar warts.

## 12. Ecological Information

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

## 13. Disposal Considerations

Dispose of in accordance with local regulations

## 14. Transport Information

**UN No:** 3066    **Class:** 8    **P.G:** III    **Technical Name:** Environmentally hazardous substance, liquid, amine, corrosive

## 15. Regulatory Information

<b>Labeling:</b>	Corrosive (C), Irritant (Xi), Dangerous for the environment (N)
R Phrases (R21/22)	Harmful in contact with skin and if swallowed
(R34)	Causes burns
(R36/37/38)	Irritating to eyes, respiratory system and skin
(R51/53)	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
S Phrases (S26)	In case of contact with eyes rinse immediately with plenty of water and seek medical advice
(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
(S61)	Avoid release to the environment.

## 16. Other Information

**DATE OF PREPARATION: 14<sup>th</sup> February 2011**

The information contained within this document is furnished without warranty of any kind. Users should consider this data only as a supplement of other information gathered by them and make independent determinations of suitability and completeness of information from all sources to ensure proper use and disposal of these materials and the safety of employees and customers.