

Material Safety Data Sheet



1. Identification of Substance/ Preparation and Company

Product Name: **PES-CHEM 504 DPSF BASE**
Supplier: PLANT EQUIPMENT & SVCS, 5401 HWY 21 W, BRYAN, TX 77803
Chemical Name & Synonyms: Modified Epoxy Resin
For Information: Call 979-779-8700 www.pes-solutions.com email: pes1@pes-solutions.com
In an Emergency: CHEMTREC – 800-424-9300 (24 HRS.)

2. Hazards Identification

Irritating to eyes and skin. 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
Bisphenol A/ F Epoxy resin	25068-38-6/ 28064-14-4	50-100%	Xi; R36/38-43-51/53
Alkyl Glycidyl Ether	68609-97-2	5-20%	Xi; R38-43 N; 51/53
Solvent Naptha R51/53	64742-95-6	0.5-2%	Xi; R10, R37 Xn; R65,66,67 N;

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 EXPORSURE (Ref SECTION 8)

5. Fire Fighting Measures

Extinguishing Media: Water sprays, Dry powder, CO2 or foam

Exposure Hazards: In case of fire, aside from the major combustion products Carbon Monoxide and Carbon Dioxide, other harmful gases and vapors maybe formed.

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

6. Accidental Release Measures



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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

9. Physical/ Chemical Properties

Appearance:	Colored liquid	Odor:	Weak
Viscosity:	Thick liquid	Specific Gravity:	1g/cm ³ at 68F
Boiling Point/ Range:	338F	Flammability:	Will burn if involved in a fire
Flash Point:	>302F	Melting Point:	N/A
Auto Flammability:	Above boiling point	Explosive Properties:	None
Oxidizing Properties:	None	Vapor Pressure:	N/A
Evaporation Rate:	N/A	Solubility:	Insoluble in water/ Soluble in with organic solvents
PH:	Neutral	Partition Coefficient:	No Data
Di Electric Strength;	No Data		

10. Stability and Reactivity

Stability; Stable
Materials to Avoid: May react under considerable heat build up with amines and mercaptans. Acids
Hazardous Decomposition: None
Hazardous Polymerizations: None

11. Toxicological Information

Oral: LD 50 (rat) (95% in Acetone) 11.4g/kg
Inhalation: Not during normal use
Eye: Severe irritation
Skin: Irritant. May cause sensitization

12. Ecological Information

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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: 3082 **Class:** 9 **P.G:** III **Technical Name:** Environmentally hazardous substance, liquid, N.O.S. (epoxy resin)

15. Regulatory Information

Labeling: Irritant (Xi), Dangerous for the environment (N)

R Phrases

(R36/38) Irritating to eyes and skin
(R43) May cause sensitization by skin contact
(R51/53) Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

S Phrases

(S2) Keep out of reach of children
(S24/25) Avoid contact with skin and eyes
(S28) After contact with skin wash immediately with plenty of soap and water
(S36/37/39) Wear suitable protective clothing, gloves and eye/face protection
(S46) If swallowed seek medical advice immediately and show this document or product label
(S61) Avoid release to the environment.
(P5) Contains epoxy constituents

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, R37 Irritating to respiratory system, R38 Irritating to skin, R65 Harmful may cause lung damage if swallowed, R66 Repeated exposure may cause skin dryness or cracking, R67 vapors may cause drowsiness and dizziness.

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