

# Material Safety Data Sheet



## 1. Identification of Substance/ Preparation and Company

Product Name: **PES-CHEM 508 UVPU BASE**  
Company: PLANT EQUIPMENT & SVCS., 5401 HWY 21 W, BRYAN, TX 77803  
Chemical Name & Synonyms: Modified Polyurethane Resin  
For Information: PH: 979-779-8700 [pes1@pes-solutions.com](mailto:pes1@pes-solutions.com) [www.pes-solutions.com](http://www.pes-solutions.com)  
In an Emergency: CHEMTREC – 800-424-9300 (24 HRS.)

## 2. Hazards Identification

Flammable. Vapors may cause drowsiness and dizziness  
Harmful by inhalation and contact with the skin  
Irritating to the eyes and skin  
May cause sensitization by skin contact  
In use, may form flammable/ explosive vapor air mixture

## 3. Composition/ Information on Ingredients

| Hazardous Components            | Cas Number | Percentage | Classification   |
|---------------------------------|------------|------------|------------------|
| N-Butyl Acetate                 | 123-86-4   | 10-30%     | R10,R66,R67      |
| Xylene                          | 1330-20-7  | 1-10%      | R10; Xn; R20/R21 |
| 2-Methoxy-1-Methylethyl Acetate | 108-65-6   | 1-10%      | R10              |

## 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. 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:** Alcohol resistant foam, water spray, dry powder, CO2  
**Exposure Hazards:** Flammable, thick dense black smoke. In combustion emits toxic fumes. Forms explosive air-vapor mixture  
**Fire Fighting Equipment:** Wear Self-contained breathing apparatus, rubber boots, gloves and body suit

## 6. Accidental Release Measures

Notify the police and fire brigade immediately, Eliminate sources of ignition. Turn leaking containers leak side up to prevent escape of liquid. 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 50 to 86°F (10C and 30C), 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

N-Butyl Acetate  
WEL (8hr TWA): 724 mg/m<sup>3</sup>      WEL (15min STEL): 966 mg/m<sup>3</sup>  
Xylene  
WEL (8hr TWA): 220 mg/m<sup>3</sup>      WEL (15min STEL): 441 mg/m<sup>3</sup>

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2-Methoxy-1-Methylethyl Acetate

WEL (8hr TWA): 274 mg/m<sup>3</sup>

WEL (15min STEL): 548 mg/m<sup>3</sup>

**Engineering Measures:** Ensure there is sufficient ventilation of area. Ensure lighting and electrical equipment are not a source of ignition

**Respiratory:** Not necessary in well ventilated areas

**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

|                      |  |                          |                                   |
|----------------------|--|--------------------------|-----------------------------------|
| <b>Appearance:</b>   | Clear liquid   | <b>Odor:</b>             | Aromatic                          |
| <b>Viscosity:</b>    | Viscous liquid                                       | <b>Specific Gravity:</b> | 1.44g/cm <sup>3</sup> at 68°F 20C |
| <b>Flammability:</b> | Will burn if involved in a fire                      | <b>Flash Point:</b>      | 77°F (25 °C)                      |
| <b>Solubility:</b>   | Insoluble in water/ Soluble in with organic solvents |                          |                                   |

## 10. Stability and Reactivity

**Stability:** Stable under normal conditions. Stable at room temperature

**Materials to Avoid:** Strong oxidizing agents. Strong acids

**Hazardous Decomposition:** In combustion emits toxic fumes

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames

## 11. Toxicological Information

|                               |                        |                         |                        |
|-------------------------------|------------------------|-------------------------|------------------------|
| N-Butyl Acetate               | ORL MUS LD50 6gm/kg    | ORL RAT LD50 10768mg/kg |                        |
| Xylene                        | ORL MUS LD50 2119mg/kg | ORL RAT LD50 4300mg/kg  | SCU RAT LD50 1700mg/kg |
| 2-Methoxy-Methylethyl Acetate |                        |                         |                        |
|                               | IPR MUS LD50 750mg/kg  | ORL RAT LD50 8532 mg/kg |                        |

## 12. Ecological Information

**Mobility:** Readily absorbed into soil

**Persistence and Degradability:** Bio degradable

**Bioaccumulative potential:** No bioaccumulation potential

**Other adverse effects:** Negligible ecotoxicity

## 13. Disposal Considerations

Dispose of in accordance with local regulations

Water code number 08-01-11

## 14. Transport Information

**UN No:** 1263    **Class:** 3    **P.G:** III    **Technical Name:** Paint

## 15. Regulatory Information

**Labeling:** Irritant, flammable (Xi), Harmful (Xn)

|                 |  |
|-----------------|--|
| R Phrases (R10) | Flammable  |
| (R67)           | Vapors may cause drowsiness and dizziness                                |
| S Phrases (S38) | In case of insufficient ventilation, wear suitable respiratory equipment |
| (S42)           | During fumigation/ spraying wear suitable respiratory equipment          |

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

## 16. Other Information

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|                 |  |
|-----------------|--|
| R Phrases (R10) | Flammable  |
| (R66)           | Repeated exposure may cause skin dryness or cracking |
| (R67)           | Vapors may cause drowsiness and dizziness            |
| (R20/21)        | Harmful by inhalation and in contact with skin       |
| (R38)           | Irritating to skin                                   |

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