

**SAFETY DATA SHEET PES-CHEM 506 ALUPRIME  
BASE COMPONENT****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name** ALUPRIME BASE COMPONENT**Product number** 506**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Paint.**1.3. Details of the supplier of the safety data sheet****Supplier** PLANT EQUIPMENT & SERVICES, INC.  
5401 HWY 21 WEST  
BRYAN, TX 77803  
Tel: 979-779-8700**Emergency telephone number****Emergency telephone** Chemtrec (800)-424-9300 24 hr number**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification****Physical hazards** Flam. Liq. 3 - H226**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317**Environmental hazards** Aquatic Chronic 2 - H411**Classification (67/548/EEC or 1999/45/EC)** Xi;R36/38. R43. N;R51/53. R10.**Human health** Vapors and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. Prolonged skin contact may cause redness and irritation. May cause skin sensitization or allergic reactions in sensitive individuals. The product contains a small amount of sensitizing substance. May cause skin sensitization or allergic reactions in sensitive individuals. The product is irritating to eyes and skin.**Environmental** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**Physicochemical** The product is flammable. Heating may generate flammable vapours.**2.2. Label elements**

## SAFETY DATA SHEET PES-CHEM 506 ALUPRIME BASE COMPONENT

### Pictogram



### Signal word

Danger

### Hazard statements

H226 Flammable liquid and vapor.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing vapor/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container in accordance with national regulations.

### Contains

EPOXY RESIN (Number average MW ≤ 700 ), ISO-BUTANOL, NONYLPHENOL

### Supplementary precautionary statements

P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P264 Wash contaminated skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P310 Immediately call a POISON CENTER/doctor.  
P321 Specific treatment (see medical advice on this label).  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
P391 Collect spillage.

### 2.3. Other hazards

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

EPOXY RESIN (Number average MW ≤ 700 )		10-30%
CAS number: 25068-38-6		EC number: 500-033-5
Classification	Classification (67/548/EEC or 1999/45/EC)	
<b>Skin Irrit. 2 - H315</b>	<b>R43 Xi;R36/38 N;R51/53</b>	
<b>Eye Irrit. 2 - H319</b>		
<b>Skin Sens. 1 - H317</b>		
<b>Aquatic Chronic 2 - H411</b>		

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<b>XYLENE</b>	<b>5-10%</b>
<b>CAS number: 1330-20-7</b>	<b>EC number: 215-535-7</b>
<b>Classification</b> <b>Flam. Liq. 3 - H226</b> <b>Acute Tox. 4 - H312</b> <b>Acute Tox. 4 - H332</b> <b>Skin Irrit. 2 - H315</b> <b>Asp. Tox. 1 - H304</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b> <b>R10 Xn;R20/21 Xi;R38</b>
<b>ISO-BUTANOL</b>	<b>1-5%</b>
<b>CAS number: 78-83-1</b>	<b>EC number: 201-148-0</b>
<b>Classification</b> <b>Flam. Liq. 3 - H226</b> <b>Skin Irrit. 2 - H315</b> <b>Eye Dam. 1 - H318</b> <b>STOT SE 3 - H335, H336</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b> <b>R10 Xi;R37/38,R41 R67</b>
<b>NAPHTHA (PETROLEUM), HYDROTREATED HEAVY</b>	<b>1-5%</b>
<b>CAS number: 64742-48-9</b>	<b>EC number: 265-150-3</b>
<b>Classification</b> <b>Flam. Liq. 3 - H226</b> <b>Asp. Tox. 1 - H304</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b> <b>Xn;R65. R10,R66.</b>
<b>NONYLPHENOL</b>	<b>1-5%</b>
CAS number: 25154-52-3	EC number: 246-672-0
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b> Skin Corr. 1B - H314 Repr. 2 - H361fd Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> <b>Repr. Cat. 3;R62,R63 C;R34 Xn;R22 N;R50/53</b>
<b>ETHYLBENZENE</b>	<b>&lt;1%</b>
<b>CAS number: 100-41-4</b>	<b>EC number: 202-849-4</b>
<b>Classification</b> <b>Flam. Liq. 2 - H225</b> <b>Acute Tox. 4 - H332</b> <b>Asp. Tox. 1 - H304</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b> <b>F;R11 Xn;R20</b>

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<b>CYCLOHEXANONE</b>	<b>&lt;1%</b>
<b>CAS number: 108-94-1</b>	<b>EC number: 203-631-1</b>
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
<b>Flam. Liq. 3 - H226</b>	<b>R10 Xn;R20</b>
<b>Acute Tox. 4 - H332</b>	
<b>CUMENE</b>	<b>&lt;1%</b>
<b>CAS number: 98-82-8</b>	<b>EC number: 202-704-5</b>
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
<b>Flam. Liq. 3 - H226</b>	<b>R10 Xn;R65 Xi;R37 N;R51/53</b>
<b>Asp. Tox. 1 - H304</b>	
<b>STOT SE 3 - H335</b>	
<b>Aquatic Chronic 2 - H411</b>	
<b>2-METHOXY-1-METHYLETHYL ACETATE</b>	<b>&lt;1%</b>
<b>CAS number: 108-65-6</b>	<b>EC number: 203-603-9</b>
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
<b>Flam. Liq. 3 - H226</b>	<b>R10 Xi;R36</b>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments**      The data shown are in accordance with the latest EC Directives.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Place unconscious person on their side in the recovery position and ensure breathing can take place. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
<b>Skin contact</b>	Immediately remove contaminated clothing. Rinse immediately with plenty of water. Remove contaminated clothing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

#### 4.2. Most important symptoms and effects, both acute and delayed

#### 4.3. Indication of any immediate medical attention and special treatment needed

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media**      Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

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### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Keep combustible materials away from spillage. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapors. Use approved respirator if air contamination is above an acceptable level.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep away from oxidizing materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container. Avoid contact with oxidizing agents.

**Storage class** Flammable liquid storage.

### 7.3. Specific end use(s)

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **XYLENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441 mg/m<sup>3</sup>(Sk)

#### **ISO-BUTANOL**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 154 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 75 ppm 231 mg/m<sup>3</sup>

#### **NAPHTHA (PETROLEUM), HYDROTREATED HEAVY**

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Long-term exposure limit (8-hour TWA): WEL 1000 mg/m<sup>3</sup> **ETHYLBENZENE**

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 441 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 125 ppm(Sk) 552 mg/m<sup>3</sup>(Sk)

### CYCLOHEXANONE

Long-term exposure limit (8-hour TWA): WEL 10 ppm(Sk)

Short-term exposure limit (15-minute): WEL 20 ppm(Sk)

### CUMENE

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk) 125 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 250 mg/m<sup>3</sup>(Sk)

### 2-METHOXY-1-METHYLETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 274 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 548 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit

### Ingredient comments

OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. All handling should only take place in well-ventilated areas.

### Eye/face protection

Wear chemical splash goggles.

### Hand protection

Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Rubber (natural, latex).

### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

### Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

### Respiratory protection

Wear a respirator fitted with the following cartridge: Organic vapor filter.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Viscous liquid.
<b>Colour</b>	Silver.
<b>Odour</b>	Characteristic.
<b>Flash point</b>	23 - 55°C
<b>Relative density</b>	1.42 - 1.44

### 9.2. Other information

**Volatile organic compound** This product contains a maximum VOC content of 228 g/l.

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

**Stability** No particular stability concerns.

#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidizing agents.

#### 10.5. Incompatible materials

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**ATE oral (mg/kg)** 43,290.04

##### Acute toxicity - dermal

**ATE dermal (mg/kg)** 18,818.86

##### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 76,986.25

**ATE inhalation (vapors mg/l)** 188.19

**ATE inhalation (dusts/mists mg/l)**

**General information** Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation** Gas or vapor in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

**Ingestion** Gastrointestinal symptoms, including upset stomach.

**Skin contact** Product has a defatting effect on skin. May cause allergic contact eczema. Irritating to skin. May cause sensitization by skin contact.

**Eye contact** Irritating to eyes.

### SECTION 12: Ecological Information

**Ecotoxicity** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>General information</b>	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor.

### SECTION 14: Transport information

#### 14.1. UN number

<b>UN No. (ADR/RID)</b>	1263
<b>UN No. (IMDG)</b>	1263

#### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	PAINT
<b>Proper shipping name (IMDG)</b>	PAINT

**Proper shipping name (ICAO)** PAINT

**Proper shipping name (ADN)** PAINT

#### 14.3. Transport hazard class(es)

<b>ADR/RID class</b>	3
<b>ADR/RID classification code</b>	F1
<b>ADR/RID label</b>	3
<b>IMDG class</b>	3
<b>ICAO class/division</b>	3
<b>ADN class</b>	3

#### Transport labels



#### 14.4. Packing group

<b>ADR/RID packing group</b>	III
<b>IMDG packing group</b>	III
<b>ADN packing group</b>	III
<b>ICAO packing group</b>	III

#### 14.5. Environmental hazards



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Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 3

Emergency Action Code •3Y

Hazard Identification Number 30  
(ADR/RID)

Tunnel restriction code (D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

#### SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).  
EH40/2005 Workplace exposure limits.

### 15.2. Chemical safety assessment

#### SECTION 16: Other information

**Revision date** 30/01/2015

**Revision** 2

**Supersedes date** 24/02/2014

**Risk phrases in full**

R10 Flammable.  
R20 Harmful by inhalation.  
R20/21 Harmful by inhalation and in contact with skin.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R36/38 Irritating to eyes and skin.  
R37 Irritating to respiratory system.  
R37/38 Irritating to respiratory system and skin.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R43 May cause sensitisation by skin contact.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R62 Possible risk of impaired fertility.  
R63 Possible risk of harm to the unborn child.  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

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<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H361fd Suspected of damaging fertility. Suspected of damaging the unborn child. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
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This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.