

Manufacturer:



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### 1. Product Identification

Product Name: EP-21 Release Coating

EPA Registration #: N/A

Formular EP21 Series

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERS. PROTEC. EQUIP.</b>	<b>H</b>

### 2. Hazardous Ingredients

<u>Ingredient Name:</u>	<u>CAS #</u>	<u>Weight %</u>	<u>Occupational Exposure</u>		<u>Vap. Press mm Hg</u>
			<u>TLV</u>	<u>PEL</u>	
Zinc Oxide	1314-13-2	1.0-50.0%	5mg/M3	NA	N/A
Xylene	1330-20-7	25.0-30.0%	100ppm	100ppm	18@37.7°C
Ethyl Benzene	100-41-4	0.5-1.0%	100ppm	100ppm	10@20°C
Toluene	108-88-3	0.05-1.0%	50ppm	100ppm	25@26°C
Carbon Black Pigment	1333-86-4	0-10.0%	3.5mg/M3	3.5mg/M3	<1.0@25°C

### 3. Hazard Identification

#### Primary Routes of Entry:

**Inhalation, ingestion, and skin absorption**

#### Potential Health Hazards:      Skin, Inhalation and Eyes Acute:

Exposure to liquid or vapor may cause eye irritation. May cause skin irritation such as drying, cracking, redness, burning, skin burning, and skin damage.

#### Skin, Inhalation and Eyes Chronic:

Long term exposure may cause defatting of the skin and skin sensitization.

#### Skin Absorption Acute:

Skin absorption is possible, yet harmful effects are not expected from this route of entry.

#### Skin Absorption Chronic:

Irritant. Prolonged or repeated contact can cause defatting and or dermatitis.

#### Inhalation Acute:

Exposure to vapors or spray mists may cause headache, dizziness, uncoordination, nausea, fatigue, shortness of breath, loss of consciousness, and coma.

#### Inhalation Chronic:

Prolonged occupational overexposure to solvents has been associated with brain and nervous system damage.

#### Ingestion Acute:

Swallowing large amounts may be harmful. Symptoms may include, gastrointestinal irritation, central nervous system depression, and lung inflammation.

#### Ingestion Chronic:

Prolonged occupational overexposure to this material (or one its components) has been found to have kidney, liver, hearing, heart, and embryo/fetotoxic effects in laboratory animals.

## 4. First Aid Measures

### Skin:

Promptly remove contaminated clothing and wash with soap and water. Seek medical assistance if irritation persists.

### Eyes:

Move individual away from exposure into fresh air. Flush eyes with copious amounts of water while holding eyelids apart for at least 15 minutes. If symptoms persist, seek medical attention.

### Inhalation:

Remove individual to fresh air. Keep person warm and quiet. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention.

### Ingestion:

DO NOT INDUCE VOMITING. Seek medical attention, keep person warm and quiet. This material is an aspiration hazard. Do not leave individual unattended.

### Medical Conditions Generally Aggravated by Exposure:

Persons with a history of chronic respiratory disease, skin disease or central nervous system disorders may be at risk for worsening their condition from exposure to this product.

### Note to Physician:

There is no specific antidote for effects from overexposure to this material. Treatment should be directed at the control of symptoms and the clinical condition.

## 5. Control Measures and Personal Protection

### Ventilation:

Provide sufficient mechanical ventilation to maintain exposure below TLV. Ensure fresh air entry during application and drying.

### Skin Protection:

Wear chemical resistant gloves and coveralls.

### Eye Protection:

Industrial safety glasses must be worn at a minimum. Wear face shield or goggles.

Respiratory Protection:

A NIOSH/MSHA approved respirator must be worn to prevent the inhalation of vapors or spray mists when the TLV or PEL is exceeded. Follow respirator manufacturer's directions for respirator use.

Additional Recommendations:

Ventilation is required when handling and applying this product to keep exposure to airborne contaminants below the exposure limits. Facilities storing or utilizing this product should be equipped with an eyewash station. Wear protective equipment.

## 6. Fire and Explosion Information

Flammable Properties:

**Flash Point** . . . . . 82°F (28°C)  
**Flash Point Method** . . . . . Pensky-Martens C.C.

Extinguishing Media:

Foam, dry chemical, carbon dioxide, or any Class B extinguishing agent. Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool.

Unusual Fire and Explosion Hazards:

Material is a Flammable liquid. Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under extreme heat.

Special Firefighting Precautions/Instructions:

Wear self-contained breathing apparatus and protective clothing. Prevent contact with skin and eyes.

## 7. Physical and Chemical Properties

<u>Appearance</u> . . . . .	Pigmented Liquid
<u>Odor</u> . . . . .	Aromatic
<u>Specific Gravity</u> . . . . .	1.76
<u>Solubility</u> . . . . .	Not Determined
<u>Boiling Point</u> . . . . .	137.22°C @ 760 MMHG
<u>Vapor Density</u> . . . . .	3.5
<u>Evaporation Rate</u> . . . . .	N-Butyl Acetate=11.64
<u>Flash Point</u> . . . . .	82°F (28°C)
<u>Flash Point Method</u> . . . . .	Pensky-Martens C.C.

## 8. Stability and Reactivity

Stability. . . . . stable

Conditions to Avoid . . Excessive heat and ignition sources.

Incompatibilities . . . . Acids, bases, oxidizing agents, and epoxy hardeners

Hazardous Decomposition Products. .

May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce: Carbon Monoxide, Carbon Dioxide.

Hazardous Polymerization. . . . . Will not occur.

## 9. Handling and Storage

Handling: Avoid breathing of vapors, mist or fumes. Do not get on skin, in eyes or clothing. Use with adequate ventilation. Wash thoroughly after handling.

Storage: Store in a cool dry place, between 50-90F Keep out of reach of children. Keep away from heat and or open flame.

## 10. Toxicological Data

Xylene: Laboratory animals exposed to high levels of xylene showed evidence of effects on the liver, kidneys, spleen and hearing loss.

Carbon Black Pigment: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

## 11. Ecological Data

No additional information provided for this product. See Section 2 for chemical specific data.

## 12. Accidental Release Measures

**ALWAYS WEAR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT!**

In Case of Spill or Other Release:

Evacuate area. Eliminate all ignition sources. Stop spill at the source. Prevent from entering drains, sewers, streams or other bodies of water. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product and transfer contaminated absorbent into containers for disposal.

### 13. Disposal Consideration

Dispose of in accordance with all local, state, and federal regulations.

### 14. Transportation Information

DOT/Domestic Ground Transportation/AIR:

Proper Ship Name. . . PAINT  
DOT Haz. Class . . . 3  
DOT ID#. . . . . UN1263  
Packing Group. . . . . III  
Label Required. . . . . Flammable liquid

UPS GROUND:

Proper Ship Name. . . CONSUMER COMMODITY  
Label Required. . . . . ORM-D

### 15. Regulatory Information

Regulatory Data in this section is not intended to be all inclusive, only selected regulations are represented.

**EPA Registration Number :** N/A

**SARA TITLE III SECTION 313 CHEMICALS (listed if applicable):**

Zinc Oxide.....  
Ethylbenzene.....  
Xylene.....  
Carbon Black.....  
Toluene.....  
.....  
.....

### 16. Disclaimer

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