

# JP-63SP Paste Structural Epoxy

## COMPONENT A

### SECTION I - Identification

Product Name: JP-63SP Paste Structural Epoxy      Emergency Number: 301-908-7562

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| Hazardous Components | CAS #      | OSHA PEL | Hazard Limits        | %   |
|----------------------|------------|----------|----------------------|-----|
| Epoxy Resin          | 25068-38-6 | N/D      |                      | 95% |
| Silicon Dioxide      | 7631-86-9  | N/A      | 10 mg/m <sup>3</sup> | 5%  |

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A      Specific Gravity (H<sub>2</sub>O =1): 1.1      Solubility in Water: Slight (Butyl Acetate = 1)  
Vapor Pressure (mm Hg.): N/D      Melting Point: N/A      Appearance and Odor: Whitish paste, slight odor  
Vapor Density (AIR = 1): >1      Evaporation Rate: N/A

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): > 250° F      Flammable Limits: LEL N/D      UEL N/D  
Extinguishing Media: Foam, dry chemical, CO<sub>2</sub> or water spray      Unusual Fire and Explosion Hazards: None  
Special Fire Fighting Procedures: Wear positive pressure, self-contained breathing apparatus.

### SECTION V - REACTIVITY DATA

Stability: Stable      Conditions to Avoid: None      Incompatibility: Strong bases  
Hazardous Decomposition or Byproducts: CO, aromatic structures  
Hazardous Polymerization: Will Not Occur      Conditions to Avoid: None known

### SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? No      Skin? Yes      Ingestion? Yes

**Health Hazards (Acute and Chronic):** Inhalation - Based on human experience, may cause irritation of the respiratory tract, may also be a respiratory tract sensitizer. Because of its low volatility, however, significant exposure by the inhalation route is unlikely under most ambient conditions. May be moderately toxic. May be harmful if inhaled. Ingestion - Based on similar product testing, product may be slightly toxic.

**Carcinogenicity:** NTP? Not Listed      IARC Monographs? Not Listed      OSHA Regulated? Not regulated

**Signs and Symptoms of Exposure:** Irritation as noted above. Skin sensitization (allergy) may be evidenced by rashes. Especially hives. Respiratory tract sensitization (e.g. allergy, asthma) may be evidenced by wheezing with shortness of breath and cough.

**Medical Conditions Generally Aggravated by Exposure:** Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product. Preexisting skin or respiratory tract allergies may increase the chance of developing increased allergy symptoms from exposure to this product.

**Emergency and First Aid Procedures:** **Eyes** - Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention. **Skin** - Immediately remove contaminated clothing or shoes, wipe excess from skin and flush with plenty of water for at least 15 minutes. Use soap if available or follow by washing with soap and water. Do not reuse clothing until thoroughly cleaned. Get medical attention. **Ingestion** - If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

### SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Scoop up material and collect in suitable containers.  
Waste Disposal Method: Burn in approved incinerator or bury in an approved landfill in compliance with Federal, State, and Local regulations.  
Precautions to Be Taken in Handling and Storing: Keep containers closed.  
Other Precautions: Avoid breathing vapors and contact with heated materials.

### SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved organic cartridge respirator.  
Ventilation: Mechanical (General) Good general ventilation.  
Protective Gloves: Rubber Gloves Eye Protection: Safety Glasses  
Other Protective Clothing or Equipment: Clean long sleeve and long pant work clothing.  
Work/Hygienic Practices: Follow practices of good industrial hygiene.

N/A = Not Applicable      N/D = Not Determined      N/E = Not Established

# JP-63SP Paste Structural Epoxy

## COMPONENT B

### SECTION I - Identification

Product Name: JP-63SP Paste Structural Epoxy      Emergency Number: 301-908-7562

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| <u>Hazardous Components</u> | <u>CAS #</u> | <u>OSHA PEL</u>     | <u>Hazard Limits</u> | <u>%</u> |
|-----------------------------|--------------|---------------------|----------------------|----------|
| Modified Polyamine          | Mixture      | N/E                 |                      | 56%      |
| Tetraethylene pentamine     | 112-57-2     | 100 ppm             |                      | 2%       |
| Titanium Dioxide            | 13463-67-7   | 5 mg/m <sup>3</sup> |                      | 6%       |
| Magnesium Silicate          | 14807-96-6   | 5 mg/m <sup>3</sup> |                      | 35%      |
| Black Iron Oxide            | 1317-61-9    | 5 mg/m <sup>3</sup> |                      | 1%       |

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/D      Specific Gravity (H<sub>2</sub>O =1): 1.25      Solubility in Water: Slight (Butyl Acetate = 1)  
Vapor Pressure (mm Hg.): N/E      Melting Point: N/A      Appearance and Odor: Gray paste, amine odor  
Vapor Density (AIR = 1): >1      Evaporation Rate: N/A

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): > 250° F (Tag Closed Cup)      Flammable Limits: LEL N/D      UEL N/D  
Extinguishing Media: Foam, dry chemical, CO<sub>2</sub>      Unusual Fire and Explosion Hazards: None  
Special Fire Fighting Procedures: Wear positive pressure, self-contained breathing apparatus

### SECTION V - REACTIVITY DATA

Stability: Stable      Conditions to Avoid: None      Incompatibility: Strong acids  
Hazardous Decomposition or Byproducts: Oxides of nitrogen, CO  
Hazardous Polymerization: Will Not Occur      Conditions to Avoid: None known

### SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:    Inhalation? Yes    Skin? Yes    Ingestion? Yes

**Health Hazards (Acute and Chronic):** Repeated and/or prolonged exposure may cause allergic reaction/sensitization. May cause severe skin irritation or pain. Prolonged contact may cause chemical burns. Repeated and/or prolonged exposure may result in: adverse respiratory effects (such as cough, tightness of chest or shortness of breath), adverse eye effects (such as conjunctivitis or corneal damage), adverse skin effects (such as defatting, rash or irritation), adverse skin effects (such as rash, irritation or corrosion). Dryness of nasal passages may be experienced when material is inhaled over a long period of time.

**Carcinogenicity:** NTP? Not Listed    IARC Monographs? Not Listed    OSHA Regulated? Not Regulated

Signs and Symptoms of Exposure: Contact with the skin may cause dryness (defatting), itching and/or rash. Inhalation of mists may cause irritation in the respiratory tract. Contact with the skin or eyes causes moderate eye and skin irritation, redness and discomfort which is transient. Coughing and chest pain may result. Product is absorbed through the skin and may cause nausea, headache and general discomfort.

**Medical Conditions Generally Aggravated by Exposure:** Asthma, chronic respiratory disease(e.g. Bronchitis, Emphysema), eye disease, skin disorders and allergies.

**Emergency and First Aid Procedures:** **Eyes** - Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention. **Skin** - Remove product and immediately flush affected area with water for at least 15 minutes. Remove contaminated clothing and shoes. Seek medical attention. Launder contaminated clothing prior to reuse. **Inhalation** - Move patient to fresh air. If breathing has stopped or is labored give respiration (e.g. mouth-to-mouth). Prevent aspiration of vomit. Turn victim's head to the side. Seek medical attention. **Ingestion** - If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

### SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Contain spill. Broadcast absorbent material. Collect in suitable containers.

Waste Disposal Method: Burn in approved incinerator in compliance with Federal, State, and Local regulations.

Precautions to Be Taken in Handling and Storing: Keep containers closed. Store in cool area.

Other Precautions: Avoid breathing vapors.

### SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved organic respirator in confined areas.

Ventilation: Mechanical (General) Good general ventilation.

Protective Gloves: Rubber Gloves    Eye Protection: Safety Glasses    Other: Clean long sleeved, long pant clothing.

Work/Hygienic Practices: Follow practices of good industrial hygiene.