### CAUTIONARY RESPONSE INFORMATION

**Common Synonyms**
- **Solid**: Colorless, Odorless
- Sinks in water.

**KEEP PEOPLE AWAY. AVOID CONTACT WITH SOLID AND DUST.**
- Wear goggles and dust respirator.
- Notify local health and pollution control agencies.
- Protect water intakes.

**Fire**
- Not flammable.

**Exposure**
- CALL FOR MEDICAL AID.
  - DUST: Poisonous if inhaled.
  - Inhaling to eyes, nose and throat. Move victim to fresh air.
  - In eyes, hold eyelids open and flush with plenty of water.
  - If breathing is difficult, give oxygen.
- SOLID: Poisonous if swallowed.
  - IoT to skin and eyes.
  - Remove contaminated clothing and shoes.
  - Flush affected areas with plenty of water.
- IF IN EYES, hold eyelids open and flush with plenty of water.
- IF SWALLOWED and victim is unconscious, give gastric lavage and saline cathartic.
- Jaundice, and collapse.
- Causes burning of mouth, abdominal pain, vomiting, diarrhea with hemorrhage, dehydration, and collapse.

**Water Pollution**
- Effect of low concentrations on aquatic life is unknown.
- May be dangerous if it enters water intakes.
- Notify local health and wildlife officials.
- Notify operators of nearby water intakes.

### 1. CORRECTIVE RESPONSE ACTIONS

**Stop discharge**
- Collection Systems: Dredge

### 2. CHEMICAL DESIGNATIONS

<table>
<thead>
<tr>
<th>Category</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazard (Blue)</td>
<td>No reaction</td>
</tr>
<tr>
<td>Flammability (Red)</td>
<td>Not flammable</td>
</tr>
</tbody>
</table>

### 3. HEALTH HAZARDS

#### 3.1 Personal Protective Equipment
- Dust mask, rubber gloves

#### 3.2 Symptoms Following Exposure
- Dust irritates eyes. Ingestion or excessive inhalation of dust causes burning of mouth, abdominal pain, vomiting, diarrhea with hemorrhage, dehydration, jaundice, and collapse.

#### 3.3 Treatment of Exposure
- **EYES**: flush with water to remove dust.
- **INGESTION**: immediately induce evacuation of intestinal tract by inducing vomiting and giving gastric lavage and saline cathartic; see physician at once; consider development of arsenic poisoning.

#### 3.4 TLV-TWA
- Not listed.

#### 3.5 TLV-STEL
- Not listed.

#### 3.6 TLV-Ceiling
- Not listed.

#### 3.7 Toxicity by Inhalation
- Currently not available.

#### 3.8 Toxicity by Ingestion
- Currently not available.

#### 3.9 Chronic Toxicity
- May be carcinogenic. Arsenic poisoning may develop.

#### 3.10 Vapor (Gas) Irritant Characteristics
- Currently not available.

#### 3.11 Liquid or Solid Characteristics
- Currently not available.

#### 3.12 Odor Threshold
- Odorless

#### 3.13 DLH Value
- Not listed.

#### 3.14 OSHA PEL-TWA
- Not listed.

#### 3.15 OSHA PEL-STEL
- Not listed.

#### 3.16 OSHA PEL-Ceiling
- Not listed.

#### 3.17 EPA AEGL
- Not listed.

### 4. FIRE HAZARDS

#### 4.1 Flash Point
- Not flammable

#### 4.2 Flammable Limits in Air
- Not flammable

#### 4.3 Fire Extinguishing Agents
- Not pertinent

#### 4.4 Fire Extinguishing Agents Not to Be Used
- Not pertinent

#### 4.5 Special Hazards of Combustion Products
- Not pertinent

#### 4.6 Behavior in Fire
- Not pertinent

#### 4.7 Auto Ignition Temperature
- Not pertinent

#### 4.8 Electrical Hazards
- Not pertinent

#### 4.9 Burning Rate
- Not pertinent

#### 4.10 Adiabatic Flame Temperature
- Currently not available

#### 4.11 Stoichiometric Air to Fuel Ratio
- Not pertinent

#### 4.12 Flame Temperature
- Currently not available

#### 4.13 Combustion Molar Ratio (Reactant to Product)
- Not pertinent

#### 4.14 Minimum Oxygen Concentration for Combustion (MOCC)
- Not listed

### 5. CHEMICAL REACTIVITY

#### 5.1 Reactivity with Water
- No reaction

#### 5.2 Reactivity with Common Materials
- No reaction

#### 5.3 Stability During Transport
- Stable

#### 5.4 Neutralizing Agents for Acids and Caustics
- Not pertinent

#### 5.5 Polymerization
- Not pertinent

#### 5.6 Inhibitor of Polymerization
- Not pertinent

### 6. WATER POLLUTION

#### 6.1 Aquatic Toxicity
- Currently not available

#### 6.2 Waterfoul Toxicity
- Currently not available

#### 6.3 Biological Oxygen Demand (BOD)
- None

#### 6.4 Food Chain Concentration Potential
- Currently not available

#### 6.5 GESAMP Hazard Profile
- Bioaccumulation: 0
- Damage to living resources: 3
- Human Oral hazard: 3
- Human Contact hazard: -
- Reduction of amenities: -

### 7. SHIPPING INFORMATION

#### 7.1 Grades of Purity: Technical

#### 7.2 Storage Temperature: Ambient

#### 7.3 Inert Atmosphere: No requirement

#### 7.4 Venting: Open

#### 7.5 IMO Pollution Category: Currently not available

#### 7.6 Ship Type: Currently not available

#### 7.7 Cargo Hall Type: Currently not available

### 8. HAZARD CLASSIFICATIONS

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>Poison</td>
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<tr>
<td>2</td>
<td>Flammable</td>
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<tr>
<td>3</td>
<td>Reactive</td>
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### 9. PHYSICAL & CHEMICAL PROPERTIES

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<tr>
<th>Property</th>
<th>Value</th>
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<tr>
<td>Freezing Point</td>
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<tr>
<td>Molecular Weight</td>
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<tr>
<td>Flash Point</td>
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<tr>
<td>Boiling Point</td>
<td>393.66°C (approx.)</td>
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<tr>
<td>Melting Point</td>
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<tr>
<td>Solubility</td>
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### NOTES

- Currently not available
- Not pertinent
- Not listed
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<thead>
<tr>
<th>Temperature (degrees F)</th>
<th>Pounds per cubic foot</th>
<th>Temperature (degrees F)</th>
<th>British thermal unit per pound-F</th>
<th>Temperature (degrees F)</th>
<th>British thermal unit inch per hour-square foot-F</th>
<th>Temperature (degrees F)</th>
<th>Centipoise</th>
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<td>NOT</td>
<td>P</td>
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<tr>
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<table>
<thead>
<tr>
<th>Temperature (degrees F)</th>
<th>Pounds per 100 pounds of water</th>
<th>Temperature (degrees F)</th>
<th>British thermal unit per pound-F</th>
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<th>Pounds per cubic foot</th>
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JUNE 1999