**CALCIUM RESINATE**

### 1. CORRECTIVE RESPONSE ACTIONS

**Stop discharge.**

**Contain.**

**Collection Systems:** Skim, Dredge

### 3. HEALTH HAZARDS

#### 3.1 Personal Protective Equipment: Dust mask, goggles or face shield, gloves

#### 3.2 Symptoms Following Exposure: Inhalation of fumes from heated chemical may cause irritation of nose and throat. Inhalation causes irritation of nose and throat. Contact with eyes causes irritation. Contact of molten material with skin causes burns.

#### 3.3 Treatment of Exposure: LUNATION: move victim to fresh air; get medical help immediately. INGESTION: give large amounts of water; induce vomiting. EYES: flush immediately with cold water; get medical help immediately. SKIN: if molten chemical burns skin, apply cold water immediately; get medical help for burn treatment.

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

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

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

#### 3.7 Toxicity by Ingestion: Currently not available

#### 3.8 Toxicity by Inhalation: Currently not available

#### 3.9 Chronic Toxicity: Currently not available

#### 3.10 Vapor (Gas) Indicators: Currently not available

#### 3.11 Liquid or Solid Characteristics: Currently not available

#### 3.12 Odor Threshold: Odorless

#### 3.13 IDLH 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 AELG: Not listed

### 4. FIRE HAZARDS

#### 4.1 Flash Point:

- Not pertinent (combustible solid)

#### 4.2 Flammable Limits in Air:

- Not pertinent

#### 4.3 Fire Extinguishing Agents:

- Foam, dry chemical, carbon dioxide

#### 4.4 Fire Extinguishing Agents Not to Be Used:

- Water

#### 4.5 Special Hazards of Combustion Products:

- Currently not available

#### 4.6 Behavior in Fire:

- Currently not available

#### 4.7 Auto Ignition Temperature:

- May ignite spontaneously

#### 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 pertinent

### 5. CHEMICAL REACTIVITY

#### 5.1 Reactivity with Water:

- Not pertinent

#### 5.2 Reactivity with Common Materials:

- Currently not available

#### 5.3 Stability During Transport:

- Stable

#### 5.4 Neutralizing Agents for Acids and Caustics:

- Not pertinent

#### 5.5 Pyrophylaxis:

- Not pertinent

#### 5.6 Inhibitor of Polymerization:

- Not pertinent

### 6. WATER POLLUTION

#### 6.1 Aquatic Toxicity:

- Currently not available

#### 6.2 Water/fowl Toxicity:

- Currently not available

#### 6.3 Biological Oxygen Demand (BOD):

- Currently not available

#### 6.4 Food Chain Concentration Potential:

- None

#### 6.5 GESAMP Hazard Profile:

- Not pertinent

### 7. SHIPPING INFORMATION

#### 7.1 Grades of Purity:

- Commercial

#### 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 Barge Hull Type:

- Currently not available

### 8. HAZARD CLASSIFICATIONS

#### 8.1 49 CFR Category:

- Flammable solid

#### 8.2 49 CFR Class:

- 4.1

#### 8.3 49 CFR Package Group:

- III

#### 8.4 Marine Pollutant:

- No

#### 8.5 NFPA Hazard Classification:

- Not listed

#### 8.6 EPA Reportable Quantity:

- Not listed

#### 8.7 EPA Pollution Category:

- Not listed

#### 8.8 RCRA Waste Number:

- Not listed

#### 8.9 EPA FWPCA List:

- Not listed

### 9. PHYSICAL & CHEMICAL PROPERTIES

#### 9.1 Physical State at 15°C and 1 atm:

- Solid

#### 9.2 Molecular Weight:

- 133 (approx.)

#### 9.3 Boiling Point at 1 atm:

- >600°F = >316°C = >589°C

#### 9.4 Freezing Point:

- Not pertinent

#### 9.5 Critical Temperature:

- Not pertinent

#### 9.6 Critical Pressure:

- Not pertinent

#### 9.7 Specific Gravity:

- 1.13 at 25°C (solid)

#### 9.8 Liquid Surface Tension:

- Not pertinent

#### 9.9 Liquid Water Interface Tension:

- Not pertinent

#### 9.10 Vapor (Gas) Specific Gravity:

- Not pertinent

#### 9.11 Ratio of Specific Heats of Vapor (Gas):

- Not pertinent

#### 9.12 Latent Heat of Vaporization:

- Not pertinent

#### 9.13 Heat of Combustion:

- Currently not available

#### 9.14 Heat of Decomposition:

- Not pertinent

#### 9.15 Heat of Solution:

- Not pertinent

#### 9.16 Heat of Polymerization:

- Not pertinent

#### 9.17 Heat of Fusion:

- Currently not available

#### 9.18 Limiting Values:

- Currently not available

#### 9.19 Acidic (pH): Not pertinent

#### 9.20 Alkaline (pH): Not pertinent

### NOTES

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