## 1. CORRECTIVE RESPONSE ACTIONS

**Stop discharge**

### 2. CHEMICAL DESIGNATIONS

| 2.1 | CG Compatibility Group: Not listed.
| 2.2 | Formula: C₁₇H₃₁O₄Na
| 2.3 | IMOG Designation: Not listed.
| 2.4 | DOT ID No.: Not listed.
| 2.5 | CAS Registry No.: 143-19-1
| 2.6 | NAERG Guide No.: Not listed.
| 2.7 | Standard Industrial Trade Classification: S107B

### 3. HEALTH HAZARDS

3.1 Personal Protective Equipment: Dust mask and gloves.

3.2 Symptoms Followed Exposure: Inhalation of dust causes irritation of nose and throat, coughing, and sneezing. Ingestion causes mild irritation of mouth. Contact with eyes causes irritation.

3.3 Treatment of Exposure: INHALATION: move to fresh air. INGESTION: give large amount of water.

3.4 TLV-TWA: Not listed.

3.5 TLV-STEL: Not listed.

3.6 Toxicity by Ingestion: Currently not available

3.7 Toxicity by Inhalation: Currently not available

3.8 Chronic Toxicity: Currently not available

3.10 Vapor (Gas) Irritant Characteristics: Currently not available

3.11 Liquid or Solid Characteristics: Currently not available

3.12 Odor Threshold: Currently not available

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 AEGL: 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: Water, foam, dry chemical, carbon dioxide.

4.4 Fire Extinguishing Agents Not to Be Used: Currently not available

4.5 Special Hazards of Combustion Products: Currently not available

4.6 Behavior in Fire: Currently not available

4.7 Auto-Ignition Temperature: Currently not available

4.8 Electrical Hazards: Not pertinent

4.9 Burning Rate: Not pertinent

4.10 Radiometric Flame Temperature: Currently not available

4.11 Stochastic Air to Fuel Ratio: 12.1 (calc.)

4.12 Flame Temperature: Currently not available

4.13 Combustion Molar Ratio: (Reactant to Product): 35.0 (calc.)

### 5. CHEMICAL REACTIVITY

5.1 Reactivity with Water: No reaction

5.2 Reactivity with Common Materials: Not pertinent

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 Waterfowl 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: Bioaccumulation: 0 Damage to living resources: 1 Human Oral hazard: 0 Human Contact hazard: 1 Reduction of amenities: XX

### 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: Not listed

8.2 49 CFR Class: Not pertinent

8.3 49 CFR Package Group: Not listed

8.4 Marine Pollutant: Not pertinent

8.5 NFPA Hazard Classification: Not listed

8.6 EPA Reportable Quantity: Not pertinent

8.7 EPA Pollution Category: Not listed

8.8 RCRRA Waste Number: Not listed

8.9 EPA PWAFCa List: Not listed

### 9. PHYSICAL & CHEMICAL PROPERTIES

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

9.2 Molecular Weight: 354 (approx.)

9.3 Boiling Point at 1 atm: No pertinent (decomposes)

9.4 Freezing Point: 450–455°F = 232–235°C = 505–568°F

9.5 Critical Temperature: Not pertinent

9.6 Critical Temperature: Not pertinent

9.7 Specific Gravity: >1.1 at 20°C (solid)

9.8 Liquid Surface Tension: Not pertinent

9.9 Liquid Water Interfacial 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: Not pertinent

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 Value: Currently not available

9.19 Reid Vapor Pressure: Currently not available

### NOTES

**CAUTIONARY RESPONSE INFORMATION**

**Common Synonyms**

- Eunatrol
- Sodium oleate

**Solid**

- Light tan
- Slight tallow-like odor

**Toxicity by Inhalation**

3.8

**IDLH Value**

3.13

**ODOR THRESHOLD**

3.11

**Toxicity by Ingestion**

3.12

**Toxicity by Inhalation**

3.9

**Chronic Toxicity**

Currently not available

**Vapor (Gas) Irritant Characteristics**

3.10

**Flammable Limits in Air**

3.15

**Fire Extinguishing Agents Not to Be Used**

3.14

**Special Hazards of Combustion Products**

3.16

**Behavior in Fire**

3.17

**Auto-Ignition Temperature**

3.18

**Electrical Hazards**

3.19

**Burning Rate**

3.20

**Radiometric Flame Temperature**

3.21

**Stochastic Air to Fuel Ratio**

3.22

**Flame Temperature**

3.23

**Combustion Molar Ratio**

3.24

**Aquatic Toxicity**

6.1

**Waterfowl Toxicity**

6.2

**Biological Oxygen Demand (BOD)**

6.3

**Food Chain Concentration Potential**

6.4

**GESAMP Hazard Profile**

6.5

**Bioaccumulation**

0

**Damage to living resources**

1

**Human Oral hazard**

0

**Human Contact hazard**

1

**Reduction of amenities**

XX

**Physical State at 15° C and 1 atm**

Solid

**Molecular Weight**

354 (approx.)

**Boiling Point at 1 atm**

No pertinent (decomposes)

**Freezing Point**

450–455°F = 232–235°C = 505–568°F

**Critical Temperature**

Not pertinent

**Critical Temperature**

Not pertinent

**Specific Gravity**

>1.1 at 20°C (solid)

**Liquid Surface Tension**

Not pertinent

**Liquid Water Interfacial Tension**

Not pertinent

**Vapor (Gas) Specific Gravity**

Not pertinent

**Ratio of Specific Heats of Vapor (Gas)**

Not pertinent

**Latent Heat of Vaporization**

Not pertinent

**Heat of Combustion**

Not pertinent

**Heat of Decomposition**

Not pertinent

**Heat of Solution**

Not pertinent

**Heat of Polymerization**

Not pertinent

**Heat of Fusion**

Currently not available

**Limiting Value**

Currently not available

**Reid Vapor Pressure**

Currently not available

**Keep people away. Avoid contact with solid and dust. Notify local health and pollution control agencies.**

**Inhalation**

- move to fresh air

- give large amount of water

**Ingestion**

- flush with copious quantities of tap water

**EYES**

- flush with copious quantities of tap water

**SKIN**

- flush with water

**Notify local health and pollution control agencies.**

**Notify operators of nearby water intakes.**

**Extinguish with water, dry chemicals, foam, or carbon dioxide.**

**Combustible.**

**IRRITATING TO SKIN AND EYES.**

**If swallowed will cause nausea and vomiting.**

**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 CONSCIOUS, have victim drink water or milk.**

**If swallowed will cause nausea and vomiting.**

**Irritating to skin and eyes.**

**Notify local health and wildlife officials.**

**Effect of low concentrations on aquatic life is unknown.**

**IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm.**

**Notify operators of nearby water intakes.**

**Notify local health and pollution control agencies.**

**Keep people away. Avoid contact with solid and dust. Notify local health and pollution control agencies.**

**Inhalation**

- move to fresh air

- give large amount of water

**Ingestion**

- give large amount of water
## OLEIC ACID, SODIUM SALT

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JUNE 1999