### LAURIC ACID

#### CAUTIONARY RESPONSE INFORMATION

**Common Synonyms**<br>
- Laurostearic acid<br>  - Hystrene 9512<br>  - Hydrofol acid 1255 or 1295<br>  - Duodecylic acid<br>  - n-Dodecanoic acid<br>  - C-1297

**Solid**<br>White<br>Slight odor of bay oil

**Exposure**

**Fire**<br>Combustible.<br>Water may be ineffective on fire.<br>Wear self-contained breathing apparatus and protective clothing.<br>Extinguish with dry chemical, alcohol foam, or CO₂.<n
**Exposure**

**Water Pollution**<br>May be dangerous to aquatic life in high concentrations.<br>May be dangerous if it enters water intakes.<br>Notify local health and wildlife officials.<br>Notify operators of nearby water intakes.

1. **CORRECTIVE RESPONSE ACTIONS**

1. **Discharge**

#### 3. HEALTH HAZARDS

**3.1 Personal Protective Equipment**<br>Respirator, chemical safety goggles, boots and heavy rubber gloves.

**3.2 Symptoms Following Exposure**<br>May be harmful by inhalation, ingestion or skin absorption. Vapor or mist is irritating to eyes, mucous membrane and upper respiratory tract. Causes eye and skin irritation.

**3.3 Treatment of Exposure**

**Inhalation**<br>Call for medical aid. Remove victim to fresh air. If breathing is difficult, give oxygen.

**Ingestion**<br>Remove contaminated clothing and shoes. Flush affected areas with plenty of water. If IN EYES, hold eyelids open and flush with plenty of water.

**3.4 TLV-TWA**

**3.5 TLV-STEL**

**3.6 TLV-Ceiling**

**3.7 Toxicity by Ingestion**

**3.8 Toxicity by Inhalation**

**3.9 Chronic Toxicity**

**3.10 Vapor (Gas) Irritant Characteristics**

**3.11 Liquid or Solid Characteristics**

**3.12 Odor Threshold**

**3.13 IDLH Value**

**3.14 OSHA PEL-TWA**

**3.15 OSHA PEL-STEL**

**3.16 OSHA PEL-Ceiling**

**3.17 EPA AEGL**

#### 4. FIRE HAZARDS

4. **Flash Point**

4.2 Flammable Limits in Air:

4.3 Fire Extinguishing Agents:<br>Carbon dioxide, dry chemical, alcohol foam, water spray.

4.4 Fire Extinguishing Agents Not to Be Used:

4.5 Special Hazards of Combustion Products:

4.6 Behavior in Fire:

4.7 Auto Ignition Temperature:

4.8 Electrical Hazards:

4.9 Burning Rate:

4.10 Flammable Limits in Lower Explosive Limit:

4.11 Stoichiometric Air to Fuel Ratio:

4.12 Flame Temperature:

4.13 Combustion Molar Ratio (Reactant to Product):

4.14 Minimum Oxygen Concentration for Combustion (MOC): Not listed

#### 5. CHEMICAL REACTIVITY

5. **Reactivity with Water**

5.2 Reactivity with Common Materials:

5.3 Stability During Transport:

5.4 Neutralizing Agents for Acids and Alkaline:

5.5 Polymerization:

5.6 Inhibitor of Polymerization:

#### 6. WATER POLLUTION

6. **Aquatic Toxicity**

6.2 Waterfowl Toxicity:

6.3 Biological Oxygen Demand (BOD):

6.4 Food Chain Concentration Potential:

6.5 GESAMP Hazard Profile:

6.6 Waterfowl: Not listed

6.7 GESAMP Hazard Profile: Not listed

#### 7. SHIPPING INFORMATION

7. **Grades of Purity**

7.2 Storage Temperature:

7.3 Inert Atmosphere:

7.4 Venting:

7.5 IMO Pollution Category:

7.6 Ship Type:

7.7 Barge Hull Type:

#### 8. HAZARD CLASSIFICATIONS

8. **40 CFR**

8.2 49 CFR Class:

8.4 Marine Pollutant:

8.5 NFPA Hazard Classification:

8.6 EPA Reportable Quantity:

8.7 EPA Pollution Category:

8.8 RCRA Waste Number:

8.9 EPA FWPCA List:

#### 9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Physical State at 15° C and 1 atm:

9.2 Molecular Weight:

9.3 Boiling Point:

9.4 Minimum Oxygen Concentration for Combustion (MOC): Not listed

9.5 Critical Pressure:

9.6 Critical Temperature:

9.7 Specific Gravity:

9.8 Liquid Surface Tension:

9.9 Liquid Water Interface Tension:

9.10 Vapor (Gas) Specific Gravity:

9.11 Ratio of Specific Heats of Vapor (Gas):

9.12 Latent Heat of Vaporization:

9.13 Heat of Combustion:

9.14 Heat of Decomposition:

9.15 Heat of Solution:

9.16 Heat of Polymerization:

9.17 Heat of Fusion:

9.18 Limiting Value:

9.19 Reid Vapor Pressure:

#### NOTES

**JUNE 1999**
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Congratulations,