3.3 Treatment of Exposure: For an oral intoxication, administer gastric lavage, cathartics, diuretics, and For an oral intoxication, administer gastric lavage, cathartics, diuretics, and

3.11 Liquid or Solid Characteristics: Minimum hazard. If spilled on clothing and allowed to remain, may cause smearing and reddening of the skin.

3.13 Odor Threshold: Currently not available.

3.15 OSHA PEL-TWA: 2 mg/m³

3.17 EPA AEGL: Not listed

4.  FIRE HAZARDS

4.1 Flash Point: 117°F C.C.

4.2 Flammable Limits in Air: Currently not available

4.3 Fire Extinguishing Agents: Foam, carbon dioxide, or dry chemical

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: The solid often vaporizes without first melting.

4.7 Auto Ignition Temperature: 468°C

4.8 Electrical Hazards: Not pertinent

4.9 Burning Rate: Currently not available

4.10 Abiadiatic Flame Temperature: Currently not available

4.11 Stoichiometric Air to Fuel Ratio: 64.3 calc.

4.12 Flame Temperature: Currently not available

4.13 Combustion Molar Ratio (Reactant to Product): 18.0 (calc.)

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 Waterfowl Toxicity: Currently not available

6.3 Biological Oxygen Demand (BOD): None

6.4 Food Chain Concentration Potential: None

6.5 GESAMP Hazard Profile: Bioaccumulation: T Damage to living resources: (3) Human Oral hazard: 2 Human Contact hazard: 0 Reduction of amenities: XX

7.  SHIPPING INFORMATION

7.1 Grades of Purity: Each lot of camphor oil has a unique composition, which varies with the time of year and the country of origin. At least a dozen grades are known. Most camphor sold in the U.S. is synthetic and is quite pure.

7.2 Storage Temperature: Ambient

7.3 Inert Atmosphere: No requirement

7.4 Venting: Open

7.5 IMO Pollution Category: B

7.6 Ship Type: 2

7.7 Barge Hull Type: 2

8.  HAZARD CLASSIFICATIONS

8.1 49 CFR Category: Flammable liquid

8.2 49 CFR Class: 3

8.3 49 CFR Package Group: III

8.4 Marine Pollutant: No

8.5 NFPA Hazard Classification:

9.  PHYSICAL & CHEMICAL PROPERTIES

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

9.2 Molecular Weight: Not pertinent

9.3 Boiling Point at 1 atm: 347 - 392°F (175 - 205°C) = 448 - 473 K

9.4 Freezing Point: Not pertinent

9.5 Critical Temperature: Not pertinent

9.6 Critical Pressure: Not pertinent

9.7 Specific Gravity: 0.903 at 25°C (liquid)

9.8 Liquid Surface Tension: Currently not available

9.9 Liquid Water Interfacial Tension: Currently not available

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 Value: Currently not available

9.19 Reid Vapor Pressure: Currently not available

NOTES

JUNE 1999
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