

MATERIAL SAFETY DATA SHEET

LIQUEFIED PHENOL (CARBOLIC ACID)

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Product/Chemical Name: LIQUEFIED PHENOL (CARBOLIC ACID)

Formula: C₆H₅OH

Physical Description: Syrupy clear to pinkish liquid, with a sweet, tart, penetrating odor. Red tinge upon exposure to air/light.

Special Hazards: Self-contained breathing apparatus is required.

Unusual Fire/Explosion Hazards: Moderate fire hazard when exposed to heat or flame. Vapor-air mixtures are explosive above flash point.

Reactivity: Stable

Hazardous Decomposition Products: Not available

Spill or Leak Procedures

Action: Do not touch spilled material. Take up with absorbent material and place into container for later disposal.

Disposal Method: To be performed in compliance with all current, local, state and federal regulations.

Threshold Limit Value: 5 ppm (19 mg/m³) OSHA (skin). 5.2 ppm (60 mg/m³) NIOSH recommended 10 hour TWA; 15.6 ppm (20 mg/m³) NIOSH 15 min ceiling

Overexposure Effects: Corrosive to eye, skin and mucous membrane.

Potential Carcinogen: No

First Aid Procedures

Skin: Remove contaminated clothing. Wash with soap and large amounts of water until no evidence of chemical remains (15-20 minutes). Get medical attention.

Eyes: Check for and remove any contact lenses. Flush eyes immediately with large amounts of water, occasionally lifting upper and lower eyelids, until no evidence of chemical remains (at least 15-20 minutes). Continue irrigating with normal saline until the pH has returned to normal (30-60 minutes). Get medical attention immediately.

Ingestion: Check for and remove any dentures. Do NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform CPR.

WARNING: It may be hazardous to the person providing aid to give CPR when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Storage Recommendations: Store protected from light at room temperature.

Special Protection Information

Safety goggles are recommended. Protective gloves are required.

Special Handling Precautions

DOT Hazard: Phenol, liquid, Poison B