

## **Phenol-Chloroform**

### **1. Process**

- a. General handling of Phenol:Chloroform

### **2. Describe process, hazardous chemical, or hazard class**

- a. Suspect Carcinogen
- b. Neurotoxin
- c. CNS depressant
- d. Teratogenic
- e. Mutagenic

### **3. Personal Protective Equipment**

- a. If airborne exposures are suspected contact the Office of Regulatory Compliance (ORC) for consultation.
- b. Eye protection should be selected on potential for splash and exposure. Goggles should be worn when splash potential exists.
- c. Disposable or lightweight PVA, Viton, nitrile gloves provide protection from incidental contact. Heavier gloves made of Viton should be used when extended handling of contaminated or preserved materials or immersion is likely. A chemically resistant apron should be used when transferring or using large quantities and splash is likely.

### **4. Engineering Controls**

- a. Work with chloroform in a fume hood or with local exhaust ventilation.
- b. Use only in an area equipped with a shower and eyewash.

### **5. Special Handling Procedures and Storage Requirements**

- a. Read MSDS prior to first use.
- b. Keep in a tightly closed container.
- c. Store in a cool, dry, well-ventilated locations.
- d. Do not store in aluminum containers.

### **6. Spill and Accident Procedures**

- a. Small Spills: Do not attempt clean-up if you feel unsure of your ability to do so or if you perceive the risk to be greater than normal laboratory operations. Absorb incidental spills with absorbent pads. Collect and submit for waste disposal by ORC.
- b. Large Spills: Notify others in area. Evacuate room/immediate area. If splashed on an individual or in eyes flush for 15 minutes with copious quantities of water. Call Police (523-3000) for HazMat response. Post area and prevent unnecessary entry until ORC response team arrives. Provide assistance to ORC as requested.

- c. Eye: flush with water for minimum of 15 minutes. Get medical attention immediately.
- d. Skin: Remove contaminated clothing and shoes. Wash thoroughly with soap and water. Get medical attention immediately.
- e. Inhalation: Seek fresh air. Get medical attention.
- f. Ingestion: DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**7. Decontamination Procedures**

- a. Wash surfaces thoroughly with soap and water.
- b. Contain decontamination materials for proper waste disposal

**8. Waste Disposal Procedures**

- a. Chloroform is a RCRA listed hazardous waste. Dispose of waste through the ORC.

**9. MSDS Location**

- a. Available in lab
- b. Available through ORC
- c. Available through manufacturer's website