

MATERIAL SAFETY DATA SHEET

LACTIC ACID, RACEMIC, USP

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Product/Chemical Name: LACTIC ACID, RACEMIC, USP SOLUTION

Formula: C₃H₆O₃

Physical Description: Odorless, hygroscopic yellow liquid
Boiling Point 252°F. (122°C) Specific Gravity: 1.2 Water soluble

Special Hazards: Self-contained breathing apparatus required.

Unusual Fire/Explosion Hazards: N/A

Reactivity: N/A

Hazardous Decomposition Products: Thermal decomposition releases toxic oxides of carbon and smoke and soot.

Spill or Leak Procedures

Action: Small spills take up with sand or other absorbent material and place into containers for later disposal. Water spill neutralize with agriculture lime, slaked lime, crushed limestone or sodium bicarbonate.

Disposal Method: To be performed in compliance with all current local, state & Federal Regulations.

Threshold Limit Value: N/A

Overexposure Effects: May cause GI disturbances, erosion of the teeth, jaw necrosis, bronchial irritation with chronic cough and frequent attacks of bronchial pneumonia.

Potential Carcinogen: No

First Aid Procedures

Skin: Remove contaminated clothing and shoes immediately. Wash affected area with soap or a mild detergent and large amounts of water until no evidence of chemical remains (approx 15-20 minutes). In case of chemical burns. Cover area with sterile dry dressing. Bandage securely but not too tightly. Get medical attention immediately.

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

Ingestion: Check for and remove any dentures. Do not use gastric lavage or emesis. Dilute the acid immediately by drinking large quantities of water or milk. If vomiting persists administer fluids repeatedly. Ingested acid must be diluted approximately 100 fold to render it harmless to tissues. Get medical attention immediately.

Inhalation: Remove from exposure area to fresh area immediately. If breathing has stopped administer CPR. Maintain airway and blood pressure and administer oxygen if available. Administration of oxygen should be performed by qualified personnel. Get medical attention immediately.

Storage Recommendations: Store at room temperature.

Special Protection Information

Exhaust ventilation recommended. Protective gloves and safety goggles required.

Special Handling Precautions: DOT Hazard Class: Corrosive