

MATERIAL SAFETY DATA SHEET

Sodium Gluconate F.C.C.

PRODUCT NAME

SODIUM GLUCONATE F.C.C.

MANUFACTURED BY

Revision Date: September 2, 2004

PMP FERMENTATION PRODUCTS, INC.
900 NE ADAMS STREET
PEORIA, IL 61603
EMERGENCY RESPONSE

PMP: (309) 637-0400

COMPOSITION/INFORMATION on INGREDIENTS

Chemical Formula: HOCH₂(CHOH)₄COONa (C₆H₁₁O₇.Na)
Chemical Name: Sodium 2,3,4,5,6, pentahydroxy-hexanoate
CAS No.: 527-07-1

HAZARD IDENTIFICATION

TLV

CARCINOGEN

Nuisance Dust
(Particulates no otherwise regulated)

15 mg/m³ (total) no
5 mg/m³ (respirable)

HEALTH HAZARDS - PROTECTIVE MEASURES - FIRST AID

Inhalation: Long-term inhalation of excessive dust may cause delayed lung injury. May cause respiratory irritation in susceptible individuals. Wear approved dust respirator when visible dust is present, and/or if irritation occurs. If adverse effects occur, get medical attention.

Skin: May cause irritation for susceptible individuals. Wear protective clothing as needed. Wash thoroughly with soap and water.

Eyes: Can cause eye damage. Wear dust proof goggles. Flush immediately with water or physiological saline for 15 minutes. Get prompt medical attention.

Ingestion: May cause toxic effects if large amounts are swallowed. No effects known for rare accidental swallowing. Avoid swallowing. Get medical attention if adverse effects occur.

Most likely routes of entry: Skin, Eyes

Other Important Medical or Precautionary Information: None

FIRE AND EXPLOSION HAZARDS

Flash Point (Method): n/a

Explosion Limits: Upper: n/a Lower: n/a

Extinguishing Media: Water, carbon dioxide, foam, halogen.

Special Firefighting Procedures and Hazards: Dust in air can be an explosion hazard. Use appropriate firefighting equipment.

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PRECAUTIONS FOR SAFE HANDLING AND USE

Spills and Leaks: Collect as much as possible for use or disposal. Flush remainder into normal drainage or into ground with copious amounts of water.

Storage and Handling: Avoid generating dust.

Waste Disposal: In accordance with applicable regulations. Normally can be flushed down sewers. Not a hazardous waste under RCRA criteria.

Empty Containers: No special precautions.

Other Precautions: If substantial dust is in air, take measures to remove sources of ignition to prevent possible dust combustion or explosion. Promptly ventilate the area. Adopt procedures to minimize dust generation.

CHEMICAL AND PHYSICAL PROPERTIES

Appearance: White to yellow powder or granules

Odor: none

pH: 6.8-7.2 (10% in water)

Vapor Pressure (mm Hg): n/a

Bulk Density: free flow = 56 lb/ft³; packed = 66 lb/ft³

Boiling Point: n/a

Melting Point: n/a

Water Solubility: Soluble

Spec. Gravity (H₂O=1): n/a

REACTIVITY INFORMATION

Stability: Stable Incompatibility: Strong-oxidizing agents

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide

Hazardous Polymerization: Does Not Occur

REGULATORY INFORMATION

DOT: Not Regulated

SARA Listed: No

TSCA Inventory: Yes

NFPA Ratings: HEALTH 0 FIRE 0 REACTIVITY 0

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