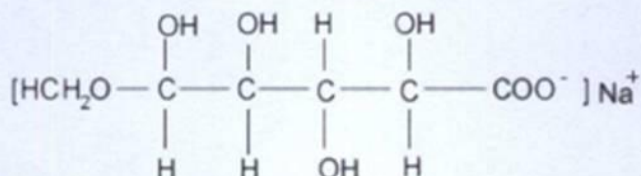


MSDS FOR SODIUM GLUCONATE

MATERIAL SAFETY DATA SHEET

Sodium Gluconate

(Molecular Structure)



1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

PRODUCT NAME

SODIUM GLUCONATE

Synonym: gluconic acid sodium salt

2. COMPOSITION/INFORMATION on INGREDIENTS

Chemical Formula: $\text{CH}_2(\text{OH})(\text{CHOH})_4\text{COONa}$

Chemical Name: Sodium Gluconate

CAS No.: 527-07-1

EC No: 208-407-7

HS Code: 2918 1600

3. HAZARD IDENTIFICATION TLV CARCINOGEN

Nuisance Dust 15 mg/m³ (total) no

(Particulates no otherwise regulated) 5 mg/m³ (respirable)

4. 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

5. 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.

6. ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

7. 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.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# :527-07-1

9. CHEMICAL AND PHYSICAL PROPERTIES

Appearance: White to yellow powder or granules

Boiling Point: n/a

Odor: none

Melting Point: 207°C

PH: 6.2-7.2

Water Solubility: Soluble

Vapor Pressure (mm Hg): n/a; Spec. Gravity (H₂O=1): n/a

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

10. REACTIVITY INFORMATION

Stability: Stable ; Incompatibility: Strong-oxidizing agents

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide

Hazardous Polymerization: Does Not Occur

11. TOXICOLOGY

May cause eye, skin or respiratory tract irritation

12. ECOLOGICAL INFORMATION

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13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

15. REGULATORY INFORMATION

DOT: Not Regulated

SARA Listed: No

TSCA Inventory: Yes

NFPA Ratings: HEALTH 0 FIRE 0 REACTIVITY 0

FIRAT KIMYA