



American International Chemical, Inc.

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MATERIAL SAFETY DATA SHEET

SODIUM GLUCONATE

SECTION I - GENERAL INFORMATION

Revision Date: August 2007

Emergency Number: Chemtrec 800-424-9300 or 703-527-3887

Information Number: 800-238-0001

Synonyms: Gluconic Acid, Sodium Salt, Hexanoic Acid, Sodium Salt, Pentahydroxycaproic Acid, Sodium Salt.

CAS #: 527-07-01

OSHA Hazardous Substance: Not Listed

DOT Hazard Class: Not regulated

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

None

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Not Applicable

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): Not Applicable

Percent Volatile by Volume(%): Not Applicable

Melting Point: Not Applicable

Evaporation Rate (Butyl Acetate=1):

Solubility in Water: 37% @ 20°C

Appearance and Odor: White powder or granules, odorless

pH: 7.0 - 8.5 @ 10% Solution

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 270°C

Flammable Limits: Not Applicable

Extinguishing Media:

Water, carbon dioxide, foam, halogen.

Special Fire Fighting Procedures:

Solid steam of water may cause splattering and spread hazard. Move container away from fire if possible. If not, cool containers exposed to flames with water spray.

Unusual Fire Explosion Hazard:

Dust in air can be an explosive hazard. Wear eye protection and self contained breathing apparatus.

Auto Ignition Temperature: Not Applicable

SECTION V - REACTIVITY DATA

Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Strong oxidizers

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Thermal decomposition results in carbon dioxide, carbon monoxide and toxic oxides of sodium.

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation: Yes Skin: Yes Ingestion: Yes Eye: Yes

Sodium Gluconate

Health Hazards:

Acute

Carcinogenicity:

Listed by ACGIH - No IARC - No NTP - No OSHA - No

Signs - Symptoms of Exposure:

INHALATION: Dust may cause irritation of mucous membrane and respiratory tract.

EYE CONTACT: May cause irritation

SKIN CONTACT: No data available.

INGESTION: No data available.

Medical Conditions Aggravated by Exposure:

Dermatitis, allergies and respiratory disorders such as emphysema or asthma.

Emergency First Aid Procedures:

INHALATION: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical attention.

EYE: Immediately flush eyes with plenty of water for at least 15 minutes while occasionally lifting lids. If irritation develops, get medical attention.

SKIN: Flush skin with water and wash thoroughly with mild soap or detergent. If irritation develops and persists, get medical attention.

INGESTION: No emergency action anticipated.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:

Review control measures first. Contain, sweep, or vacuum up taking care not to spread or raise dust.

Waste Disposal Method:

Dispose of in accordance with all federal, state and local regulations.

Precautions to be Taken in Handling and Storage:

Avoid contact with skin, eyes and clothing. Avoid breathing dust or mist. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials.

SECTION VIII - CONTROL MEASURES

Respiratory Protection Type:

Use NIOSH/MSHA approved respirator.

Ventilation Requirements:

Ventilate as necessary to eliminate dust from work area.

Protective Gloves, Clothing or Equipment Requirements:

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

Work, Hygienic Practices:

As required to protect skin and eyes from dust. Safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

SECTION IX - FEDERAL REGULATORY INFORMATION

Reportable Quantities Under EPA CERCLA: Yes

SARA Title III Information

Section 302 Extremely Hazardous Substance List: Not Listed

Section 313 Toxic Chemicals: Not Listed

Reason for issue: Changed Date

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