Sodium Gluconate

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules and Regulation

Revision Date: 17-Apr-2026
Supersedes: 18-Oct-2023

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Sodium Gluconate
Synonyms: No data available
INCI Name: Sodium Gluconate
CAS Number: 527-07-1
Formula: No data available
Product Form: Solid (Powder)
Product Use: Cosmetic use

Distributor: MakingCosmetics Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: **www.makingcosmetics.com**

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

Classification: Not classified.
Labeling: Not a dangerous substance according to GHS.
Hazard Pictograms: None.
Hazard Statements: None.
Precautionary Statements: (Prevention) P280: Wear protective gloves and eye/face protection.
P264: Wash with plenty of soap and water thoroughly after handling.
(Response) P302+352: IF ON SKIN: Wash with plenty of water.
P332+ P313: If skin irritation occurs: Get medical advice.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P337+P313: If eye irritation persists. Get medical advice.
Hazards Not Otherwise Classified: May Form Combustible Dust.
Potential Health Hazards: Eyes: May be an irritant.
Inhalation: May be an irritant.
Skin: May be an irritant.
Ingestion: May cause nausea, vomiting, and diarrhea.

NFPA Ratings (704):

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Sodium Gluconate	527-07-1	100%	218.13

4 FIRST AID MEASURES

Eyes: May cause mild irritation. Eyes may water profusely. Flush eyes with water lifting upper and lower lids occasionally for 15 minutes. If irritation persists, seek medical attention.
Inhalation: May cause respiratory irritation in susceptible individuals. May cause shortness of breath, sneezing and coughing. Long-term inhalation of excessive dust may cause delayed lung injury. Move person away from exposure. If having difficulty breathing, administer oxygen. If breathing has stopped, administer artificial respiration and seek medical attention.
Skin: May cause irritation and redness for susceptible individuals. Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists, seek medical attention.
Ingestion: May cause irritation if large amounts are swallowed. Nausea and stomach pain may occur. There may be vomiting and diarrhea. Do Not Induce Vomiting unless instructed to do so by a physician or PCC. Never give anything by mouth to an unconscious person. Contact physician or Poison Control Center (PCC) immediately.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (water, carbon dioxide, foam, halogen) for surrounding environment and adjacent fire. No unsuitable extinguish media listed.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points:	Not applicable.
Specific hazards arising from the chemical:	In combustion, emits toxic fumes of carbon dioxide/carbon monoxide. May form Combustible Dust. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Do not create dust. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
Methods and material for containment and cleaning up:	Collect as much as possible for use or disposal in a properly labeled container. Flush remainder into normal drainage with copious amounts of water. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Wear suitable protective clothing. Ensure there is sufficient ventilation in the area. Avoid generating dust. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Store in a cool, well-ventilated area. Keep away from direct sunlight. Avoid contact with water and humidity. Recommended packing material includes paper, plastic or poly lined bags or drums. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Country
Sodium Gluconate	4 mg/m3 (respirable dust)	8 hour TWA	UK
	5 mg/m3 (respirable dust)	8 hour TWA	USA

TWA: Time Weighted Average over 8 hours of work.
TLV: Threshold Limit Value over 8 hours of work.
REL: Recommended Exposure Limit
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CEIL: Ceiling

Personal Protection:

Eyes:	Wear safety goggles with side protection.
Inhalation:	Provide sufficient ventilation of the area. Wear respirator with particle filter
Body:	Wear protective gloves and full protective clothing.
Other:	Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Granular powder	**Auto-Ignition Temperature:**	Not applicable
Color:	White to tan	**Decomposition Temperature:**	>410°F (>210°C)
Odor:	Odorless	**Flammability:**	Not applicable
Odor Threshold:	Not applicable	**Upper/lower Explosive Limit:**	Not applicable
pH:	6.8 – 7.2 (10% aq. Solution)	**Flash Point:**	Not applicable
Boiling Point:	Not applicable	**Oxidizing Properties:**	Non-oxidizing
Melting Point/Range:	192 – 202°C	**Evaporation Rate:**	Not applicable
Water Solubility at 25°C:	Highly soluble, 5.9 x 105 mg/L	**Explosive Properties:**	No data available

Relative Density:	945 kg/m3 granular; 705 kg/m3 powder	**Vapor Pressure at 25°C:**	7.23 x 10-18 mmHg/ 1 x 10-18 kPa
Specific Gravity:	No data available	**Vapor Density:**	No data available
Viscosity:	Not applicable	**Combustible Dust (K_{st}):**	Category 1 (45 bar m/s)

10 STABILITY AND REACTIVITY

Reactivity: Stable under recommended transport and storage conditions.
Chemical Stability: Stable under normal conditions.
Hazardous Polymerization: No data available.
Conditions to Avoid: Direct sunlight, moist air and humidity.
Incompatible Materials: Strong Oxidizers.
Hazardous Decomposition Products: In combustion, emits toxic fumes of carbon dioxide/carbon monoxide.
Possible Hazardous Reactions: Hazardous reactions will not occur under normal conditions.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available.
Skin: May cause irritation and redness for susceptible individuals.
Eyes: May cause mild irritation. Eyes may water profusely.
Inhalation: May cause respiratory irritation in susceptible individuals. May cause shortness of breath, sneezing and coughing. Long-term inhalation of excessive dust may cause delayed lung injury.
Ingestion: (Rat, Oral) LD50: >2000 mg/kg. May cause irritation if large amounts are swallowed. Nausea and stomach pain may occur. There may be vomiting and diarrhea.
Intravenous: (Rabbit) LD50: 7630 mg/kg.
Carcinogenicity: Not a carcinogen (IARC, ACGIH, NTP, OSHA).
Teratogenicity: Not applicable.
Germ Cell Mutagenicity: Not applicable.
Embryotoxicity: No data available.
Specific Target Organ Toxicity: No data available.
Reproductive Toxicity: Not applicable.

12 ECOLOGICAL INFORMATION

Ecotoxicity: No data available.
- **Aquatic Vertebrate:** (Fish) Test: 96 hours, LC50: >1000.0 mg/L. (Fish) Test: Chronic Value: >100.0 mg/L.
- **Aquatic Invertebrate:** (Daphnid) 48 hours; LC50: >1000.0 mg/L. (Daphnid) Chronic Value: >100.00 mg/L.
- **Algal:** (Green Algal) 96 hours; EC50: >1000.0 mg/L. (Algal) Chronic Value: >100.0 mg/L.
- **Bacteria:** (Bacteria) EC50: >5000.0 mg/L.

Persistence and Degradability: Readily and rapidly biodegradable.
Bioaccumulative Potential: Product does not bioaccumulate.
Mobility in Soil: Accidental spillage may lead to penetration in the soil and groundwater, however; there is no evidence that this would cause adverse ecological effects.
PBT and vPvB Assessment: This substance is not identified as a PBT substance.
Other Adverse Effects: Not expected to cause significant environmental impact.

13 DISPOSAL CONSIDERATIONS

Waste Residues: Normally can be flushed down sewers. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product.
Product Containers: Contaminated containers must not be treated as household waste. Where practical, containers and packaging should be recycled by a licensed contractor. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	Not dangerous goods.
TDG (Transportation of Dangerous Goods, Canada):	Not dangerous goods.
IMDG (International Maritime Dangerous Goods):	Not dangerous goods.
IATA (International Air Transport Association):	Not dangerous goods.
ICAO (International Civil Aviation Organization):	Not dangerous goods.

15 REGULATORY INFORMATION

TSCA Inventory Status:	This product is listed on TSCA.
SARA 302 Components:	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components:	SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312:	No SARA Hazards.
MA Right to Know:	No components are subject to the Massachusetts Right to Know Act.
PA Right to Know:	Sodium gluconate (CAS Number: 527-07-1).
NJ Right to Know:	Sodium gluconate (CAS Number: 527-07-1).
RI Right to Know:	Not listed under Rhode Island Right to Know.
California Prop. 65:	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
Canada (DSL):	Listed.
Canada (WHMIS):	Not listed.
EU Regulations:	Exemption from registration under REACH in accordance with Annex V. Commission Decision 96/335/EC establishing an inventory and a common nomenclature of ingredients employed in cosmetic products (INCI). Council Directive 76/768/EEC on the approximation of the laws of Member States relating to cosmetic products. Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products. Directive 96/82/EC does not apply. No classified risk phrases or safety phrases in Europe.
EU EC Number:	208-407-7.
China (IECSC):	Listed.
Australia (AICS):	Listed.
Japan (ENCS):	(2) 14-10.
Philippines (PICCS):	Listed.
Korea (ECL):	KE-17676.

16 OTHER INFORMATION

Revision Date:	17-Apr-2026
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.