MATERIAL SAFETY DATA SHEET (MSDS)

SODIUM GLUCONATE

SECTION 1. PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: SODIUM GLUCONATE

COMPANY: COSMO CHEMISTRY

ADDRESS: Office No. 713, Millennium Business Hub, Sarthana Jakatnaka, Varachha Main Road,

Surat, Gujarat, India – 395006

Phone : +91 979797 7958
e-mail : info@cosmochemistry.com

SECTION 2. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name: Sodium Gluconate
CAS NO.: 527-07-1
EINECS NO.: 208-407-7
Composition: 98%

SECTION 3. HAZARDS IDENTIFICATION

Emergency Overview:
The toxicological properties of this material have not been fully investigated.

Eye: May cause eye irritation
Skin: May cause eye irritation
Inhaled: May cause respiratory tract irritation
Ingestion: Expected to be a low ingestion hazard

SECTION 4. FIRST AID MEASURES

Ingestion: Get medical aid. Wash mouth out with water.

Eye: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Inhaled: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

SECTION 5. FIRE-FIGHTING MEASURES

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media:
Use water spray, dry chemical, carbon dioxide, or chemical foam.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Spills/Leaks:
Vacuum or sweep up material and place into a suitable disposal container.

SECTION 7. HANDLING AND STORAGE

Handling:
Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

Storage:
Store in a cool, dry place. Store in a tightly closed container.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:
Good general ventilation should be sufficient to control airborne levels.

Eyes:
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:
Wear appropriate protective gloves to prevent skin exposure.

Clothing:
Wear appropriate protective clothing to minimize contact with skin.

Respirators:
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Crystalline powder
Color: white - light yellow

Freezing/Melting Point: 206 – 209°C
Solubility in water: 590 g/L water
Autoignition Temperature: 345°C (653.00°F)

Molecular Formula: C6H11NaO7
Molecular Weight: 218.14

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures

Conditions to Avoid: Incompatible materials

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide

Hazardous Polymerization: Will not occur

Incompatibilities: Strong oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION

RTECS#: CAS# 527-07-1: LZ5235000

LD50/LC50: Not available

Carcinogenicity:
GLUCONIC ACID, SODIUM SALT, 98% - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA

SECTION 12. ECOLOGICAL INFORMATION

Sodium gluconate is completely biodegradable

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 14. TRANSPORT INFORMATION

Sodium Gluconate is not dangerous goods

Please contact cosmo chemicals for transportation information details

SECTION 15. REGULATORY INFORMATION

European Labeling in Accordance with EC Directives

Safety Phrases:
S 24/25 Avoid contact with skin and eyes

WGK (Water Danger/Protection):
CAS# 527-07-1: 0

United Kingdom Occupational Exposure Limits
United Kingdom Maximum Exposure Limits

Canada:
CAS# 527-07-1 is listed on Canada's DSL List
CAS# 527-07-1 is not listed on Canada's Ingredient Disclosure List

Exposure Limits

US FEDERAL TSCA:
CAS# 527-07-1 is listed on the TSCA inventory

SECTION 16. ADDITIONAL INFORMATION

Created: 2026/03/14

The information and recommendations set forth herein are based on data we have in our possession and we have reason to believe is accurate.

It is, however, the user's responsibility to determine the safety, toxicity, and suitability for his own use of the herein described product.

Because the actual use by others is beyond our control, makes no warranty expressed or implied regarding accuracy of the results to be obtained from the use thereof.