



SDS (Safety Data Sheet)

Sodium Gluconate

Safety Data Sheet
& Rules and Regulation

Revision Date:
Supersedes:

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Sodium Gluconate	Distributor:	Dr TRC Lab Private Limited
Synonyms:	Sodium D-gluconate, Sodium Gluconate Monohydrate	Address:	H-269,DSIIDC Industrial Area, North West Delhi,Delhi-110039
INCI Name:	Sodium Gluconate	Website:	www.trckem.in
CAS Number:	527-07-1		
Product Form:	Solid (Powder or Crystals)		
Product Use:	Used as a chelating agent, in water treatment, construction, and as a food additive		

2 HAZARDS IDENTIFICATION

GHS Classification:	Not classified as hazardous
GHS Labelling:	None
GHS Hazard Pictogram:	None
GHS Hazard Statements:	None
GHS Precautionary Statement:	P280
Potential Health Hazards:	Generally low toxicity; may cause irritation upon prolonged exposure
NFPA Rating(704):	a. Health: 1 b. Flammability: 0 c. Reactivity: 0 d. Specific Hazard: None

3 COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS No.	Weight %	Molecular Weight
Sodium Gluconate	527-07-1	100%	218.14 g/mol

4 FIRST AID MEASURES

Eyes:	Rinse eyes with plenty of water for at least 15 minutes. Seek medical advice
Inhalation:	Move to fresh air. If symptoms persist, seek medical attention
Skin:	Wash with soap and water. If irritation persists, consult a physician
Ingestion:	Rinse mouth with water. Seek medical attention if symptoms occur

5 FIRE-FIGHTING MEASURES



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Suitable (and Unstable Extinguishing Media):	Use water spray, dry chemical, or foam. Avoid using water streams.
Special protective equipment & Precaution for Fire-fighters:	Wear self-contained breathing apparatus and protective clothing
Special Hazards arising from the Chemicals:	May release toxic fumes (e.g., carbon oxides) during combustion.

6 ACCIDENTAL RELEASE MEASURES

Personal precaution, protective equipment & emergency procedure:	Wear protective gear. Avoid dust inhalation and skin contact
Environment precautions:	Prevent entry into drains or water sources.
Methods and material for containment and cleaning up:	Sweep up and place in a suitable container for disposal. Clean up with water

7 HANDLING & STORAGE

Precautions for safe handling:	Avoid dust formation. Handle in well-ventilated areas
Condition for safe storage, incl. any incompatibilities:	Store in a cool, dry, and well-ventilated area. Keep away from strong acids

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limit	Basis	Entity
Sodium Gluconate	No specific exposure limit available	N/A	OSHA PEL/TWA, ACGIH TLV - Not listed

Personal Protection

Eyes:	Safety glasses or goggles
Inhalation:	Use adequate ventilation
Skin	Wear protective gloves
Ingestion:	Not applicable

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	White crystalline powder ; Solid	Vapour Pressure:	Not applicable
Odour:	Odourless	Density:	1.53 g/cm ³
Color:	White	Evaporation Rate:	Not applicable
Molecular Weight:	218.14 g/mol	Flammability:	Non-flammable
pH(1% sol. In water):	6-8	Upper /lower Explosive limit:	Not applicable
Boiling Point:	Decomposes before boiling	Flash Point:	Not applicable
Melting Point:	> 250°C	Specific Gravity:	1.53 g/cm ³
		Solubility:	Soluble in water



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10 STABILITY AND REACTIVITY

Reactivity:	Stable under normal conditions
Chemical Stability:	Stable under normal storage conditions
Hazardous Polymerization:	Will not occur
Condition To Avoid:	Avoid high heat and open flames
Incompatible Material:	Strong acids, strong oxidizers
Hazardous Decomposition Products:	Carbon oxides upon combustion

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Low toxicity (LD50 > 5000 mg/kg)
Skin:	May cause mild irritation
Eyes:	May cause slight irritation
Respiratory:	Inhalation of dust may cause mild irritation
Ingestion:	May cause gastrointestinal discomfort
Carcinogenicity:	N/A
Teratogenicity:	N/A
Germ Cell Mutagenicity:	N/A
Embryotoxicity:	N/A
Specific Target Organ Toxicity:	No known effects
Reproductive Toxicity:	No known effects
Respiratory/Skin Sensitization:	No known sensitization

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	Not harmful to aquatic life
Aquatic Invertebrate:	Not harmful
Terrestrial:	N/A
Persistence and Degradability:	Readily biodegradable
Bioaccumulative Potential:	Does not bioaccumulate
Mobility in Soil:	Low mobility
PBT and vPvB Assessment:	Not PBT or vPvB
Other Adverse Effects:	None known

13 DISPOSAL CONSIDERATIONS

Water Residue:	Can be flushed with water in accordance with local regulations
Product Containers:	Dispose of according to local, state, and national regulations

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

DOP(Dept. Of Transport, India):	N/A
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TDG(Transport Of Dangerous Goods, India):	N/A
IMDG(International Maritime Dangerous Goods:	N/A
IATA(International Air Transport Association):	N/A
ICAO(International Civil Aviation Organization):	N/A

15 REGULATORY INFORMATION

No regulatory Information Available

16 OTHER INFORMATION

Revision Date: March 2024

Compliance: This document has been prepared in accordance with the SDS requirements

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.

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