SAFETY DATA SHEET

Sodium Gluconate

SECTION 1: IDENTIFICATION

Product identifier used on a label:	**Sodium Gluconate**
Product code:	1074
HS Code:	291816
CAS Number	527-07-1
Recommended use of the chemical and restrictions on use:	Food additive. Cosmetic additive. Medical aids. Industrial use.
Chemical family:	Salt of organic acid.
Chemical formula:	$CH_2OH(CHOH)_4COONa$
Name, address and phone # of supplier:	Aqua Bond Inc. 440 Passmore Ave. Toronto, ON, M1V 5J8 (416) 754-7211
24 Hr. Emergency phone #	**CANUTEC (613) 996-6666**

SECTION 2: HAZARDS IDENTIFICATION

Classification of the chemical:	Not classified for physical or health hazards under GHS.
Hazard classification:	None.
Label elements:	Not applicable.
Signal word:	None.
Hazard statements:	Not applicable.
Precautionary statements:	Not applicable.
Other hazards:	Irritant to eyes. May be irritant if inhaled, ingested or on skin.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/ mixture: Pure substance

Ingredient name	**CAS Number**	**Concentration (wt. %)**
Sodium Gluconate	527-07-1	100%

SECTION 4: FIRST-AID MEASURES

Description of first aid measures:

Ingestion	DO NOT induce vomiting, rinse mouth. Administer water if patient is conscious. Get medical attention if a large amount is swallowed. Get medical attention if you feel unwell.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation develops or persists.
Skin contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention.
Eye contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention if pain and irritation develops or persists.

Most important symptoms and effects, both acute and delayed:

Irritant to eyes. May be irritant if inhaled, ingested or on skin.

Indication of any immediate medical attention and special treatment needed: Not available.
Protection of first-aiders: First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media:	
Suitable	May be combustible at high temperature. Suitable extinguishing media are CO_2, water.
Unsuitable	None known.
Flash point:	Not Available.
Autoignition Temperature:	Not Available.
Special hazards arising from the substance:	
Hazardous thermal decomposition products:	Carbon oxides (CO, CO_2).
Specific hazards:	Not available.
Special protective actions for fire-fighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots. Keep combustibles (wood, paper, oil, clothing, etc.) away from spilled material. Avoid dust formation. Remove all sources of ignition. Do not get water inside containers. Do not expose spill to water.
Environmental precautions:	Should not be released into environment. Prevent from reaching drains, sewer, or waterway.
Methods and materials for containment and cleaning up:	Clean up by vacuum and wash by water. Wear protective eyeware, gloves, and clothing. Refer to Section 8. Always obey local regulations. Containerize for disposal. Refer to Section 13. If necessary use trained response staff or contractor. Evacuate personnel to safe areas. Keep in suitable closed containers for disposal.

Special spill response procedures:	In case of transportation accident, contact CHEMTREC at 1-800-424-9300.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	Put on appropriate personal protective equipment. Avoid exposure – obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container.
Conditions for safe storage:	Store in accordance with local regulations. Store in a segregated and approved area. Store protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials, food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be resealed and kept upright. Do not store in unlabeled containers.
Incompatible materials:	Aluminum powder, iron, oxidizers and zinc.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Exposure limits

Ingredient	**Exposure limits**
Sodium Gluconate	Not available.

Engineering controls:	Ensure adequate ventilation, especially in confined areas.
Individual protection measures:	Eyes/face: Chemical splash goggles and face shield. Skin: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Respiratory: Wear appropriate respirator where spray mist occurs. Be sure to use a NIOSH approved dust and mist respirator or equivalent. Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid, granules. Off-white color.
Odor:	Odorless.
Odor threshold:	Not available.
Molecular weight	218.14 g/mol
pH (1% sol. In water):	10

Melting point:	206 °C (402.8 °F)
Freezing point:	Not applicable.
Initial boiling point and boiling range:	Decomposes.
Flash point:	Not available.
Evaporation rate:	Not applicable.
Flammability:	Not available.
Upper and lower flammability limits:	Not available.
Vapour pressure:	Not applicable.
Vapour density:	Not applicable.
Relative density:	0.8 g/cc
Solubility:	Soluble in hot and cold water. Partially soluble in methanol
Partition coefficient n-octanol/water:	Not applicable.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not applicable.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Stable at ambient temperature and under normal conditions of use
Chemical stability:	Stable at standard temperature and pressure.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	None known.
Incompatible materials:	Aluminum powder, iron, oxidizers and zinc.
Hazardous decomposition products:	Carbon oxides (CO, CO_2).

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity data:	LD50: Not available. LC50: Not available.
Information on the likely routes of exposure:	Skin and Eyes: yes Inhalation: yes Ingestion: yes
Potential health effects (acute):	Irritation to eyes, skin and respiratory tract.
Delayed and immediate effects, chronic effects from short and long term exposure:	None known.
Potential chronic health effects:	None known.
Carcinogenicity:	Not available.
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.
Sensitization:	No known significant effects or critical hazards.
Toxicological effects:	No known significant effects or critical hazards.

Acute toxicity:	No known significant effects or critical hazards.
Irritation/corrosion:	Irritant to eyes

Specific target organ toxicity single exposure: Not available.
Specific target organ toxicity repeated exposure: Not available.
Aspiration hazard: Not available.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity:	Not available.
Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

	TDG
UN Number:	Not regulated.
UN proper shipping name:	-
Transport hazard class:	-
Packing group:	-
Environmental hazard:	No data available.
Special precautions for user:	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident.

SECTION 15: REGULATORY INFORMATION

United States

Toxic Substances Control Act (TSCA)	Listed.
Superfund Amendments and Reauthorization Acts	Section 311/312 Hazards: Fire hazard

Canada

Canadian Domestic Substances List (DSL): Listed.

SECTION 16: OTHER INFORMATION

Revision date: December 06, 2019

UN = United Nations

Disclaimer

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