


JIAAN BIOTECH, PITHAMPUR (MP) INDIA

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Effective Date	02/12/2016		DOC NO.	JB/GLAC/20/01	
Review On	Dec. 2022		REVISION NO	02	
TITLE: GLUCONIC ACID 50 % , MSDS					

1. IDENTIFICATION

1.1	Product Name	:	Gluconic acid, 50 wt% solution in water
1.2	CAS NO.	:	526-95-4
1.3	Details of Supplier	:	JIAAN BIOTECH , Plot 282-283, Pithampur Industrial Area, Sector 3,MP (INDIA)
1.4	Contact Number	:	+91-9039039794/5 , +91-8349999795
1.5	Email	:	info@jiaanbiotech.com


2.0 HAZARDS IDENTIFICATION

Potential Acute Health Effects: Hazardous in case of ingestion.
 Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.
 Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin.
 Potential Chronic Health Effects: Hazardous in case of ingestion.
 Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin.
 CARCINOGENIC EFFECTS: Not available.
 MUTAGENIC EFFECTS: Not available.
 TERATOGENIC EFFECTS: Not available.
 DEVELOPMENTAL TOXICITY: Not available.

3.0 FIRST AID MEASURES

Eye Contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.
Serious Skin Contact: Not available.
Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Serious Inhalation: Not available.
Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Serious Ingestion: Not available.

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4.0 Fire and Explosion Data

Flammability of the Product: Non-flammable.
Auto-Ignition Temperature: Not applicable.
Flash Points: Not applicable.
Flammable Limits: Not applicable.
Products of Combustion: Not available.
Fire Hazards in Presence of Various Substances: Not applicable.
Explosion Hazards in Presence of Various Substances:
 Risks of explosion of the product in presence of mechanical impact: Not available.
 Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions: Not applicable.
Special Remarks on Fire Hazards: Not available.
Special Remarks on Explosion Hazards: Not available.

5.0 Accident Release Measures

Small Spill: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

6.0 Handling and Storage


Precautions: No specific safety phrase has been found applicable for this product.
Storage: No specific storage is required.
 Use shelves or cabinets sturdy enough to bear the weight of the chemicals.
 Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

7.0 Exposure Controls/ Personal Protection

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
Personal Protection: Safety glasses. Lab coat.
Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits: Not available.

8.0 Physical and Chemical Properties

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Physical state and appearance: Liquid.

Odor: Not available.

Taste: Not available.

Molecular Weight: Not applicable.

Color: Not available.

pH (1% soln/water): Neutral.

Boiling Point: The lowest known value is 100°C (212°F) (Water).

Melting Point: Not available.

Critical Temperature: Not available.

Specific Gravity: Weighted average: 1.11 (Water = 1)

Vapor Pressure: The highest known value is 17.535 mm of Hg (@ 20°C) (Water).

Vapor Density: The highest known value is 0.62 (Air = 1) (Water).

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water.

Solubility: Easily soluble in cold water

9.0 Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available. Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No

10.0 Toxicology Information

Routes of Entry: Ingestion.

Toxicity to Animals: LD50: Not available.

LC50: Not available.

Chronic Effects on Humans: Not available.


Other Toxic Effects on Humans: Hazardous in case of ingestion.

Slightly hazardous in case of skin contact (irritant), of inhalation. Non-corrosive for skin. Non-sensitizer for skin.

Non-permeator by skin.

Special Remarks on Toxicity to Animals: Not available.

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Special Remarks on Chronic Effects on Humans: Not available.
Special Remarks on other Toxic Effects on Humans: Not available.

11.0 Ecological Information

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation: Not available

12.0 Disposal Considerations

Waste Disposal:

13.0 Transport Information

DOT Classification: Not a DOT controlled material (United States).
Identification: Not applicable.
Special Provisions for Transport: Not applicable

14.0 Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
 Chemical safety assessment For this product a chemical safety assessment was not carried out

15.0 Other Information

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text