

MSDS

Material Safety Data Sheet

From: SAYAJI INDUSTRIES LTD.
UNIT MAIZE PRODUCTS
P.O. Kathwada, Ahmedabad 382 430
Gujarat State, India.

DEXTROSE MONOHYDRATE **(IP/BP/USP/EP/Food Grade)**

SECTION 1: IDENTIFICATION

Product identifier:

Product Name: Dextrose Monohydrate
Substance name: Glucose
CAS No.: 77938-63-7
EC No.: 200-075-1

Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: Food & Pharmaceutical application & Industrial.

Uses advised against: No Data Available.

Details of the supplier of the safety data sheet:

Manufacturer:

SAYAJI INDUSTRIES LTD.
UNIT MAIZE PRODUCTS
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Language: English, Hindi & Gujarati.

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture:

The Product has not been classified as Hazardous according to GHS System

Label elements:

None classified.

Other hazards:

None classified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances:

<u>Ingredient</u>	<u>CAS NO.</u>	<u>Concentration</u>
Glucose	50-99-7	≥ 93 - 90.5%
Water	7732-18-5	≤ 7.0- 9.5%

SECTION 4: FIRST AID MEASURES

Description of first aid measures:

Inhalation:	In Normal condition of intended use, material is not expected to be an inhalation problem. Seek medical attention for any breathing difficulties.
Eye Contact:	Flush with water for at least 15 minutes. Hold eyelids away from eyeball to ensure thorough rinsing.
Skin Contact:	Wash the affected area with water and soap. If irritation, redness, or rash persists seek medical attention
Ingestion:	This product is not expected to be an ingestion hazard under normal use conditions. Get medical attention if any discomfort.

Most important symptoms and effects, both acute and delayed:

Dust may affect eyes and berthing.

Indication of any immediate medical attention and special treatment needed:

Treatment: Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media:

<u>Suitable extinguishing media:</u>	Water Spray
<u>Unsuitable extinguishing media:</u>	None Known
<u>Special hazard arising from a substance/mixture:</u>	Oxides of carbon

Advice for firefighters:

Fire fighters should wear self-protective equipment to protect Dust and fire heat like coat, helmet with face shield, gloves, Self-Contained Breathing Apparatus (SCBA) etc.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

<u>For non-emergency personnel:</u>	The wearing of suitable protective equipment (including personal protective equipment, see Section 8 of MSDS) to prevent any contamination of skin, eyes and personal clothing;
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For emergency responders:

Advice should be wear related to suitable fabric for personal protective clothing & Equipment's.

Environmental recautions:

Not regarded as Dangerous for the Environment

Methods and material for containment and cleaning up:

Appropriate advice shall be provided on how to contain a spill. Appropriate containment techniques may include any of the following:

Sweep up;

Appropriate advice shall be provided on how to clean-up a spill. Appropriate clean-up procedures may include

Collect and dispose of spillage as indicated in section 13.

Any of the following:

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling :

See Section 8 of the SDS for Personal Protective Equipment..

Conditions for safe storage, including any incompatibilities:

When not in use store in dry area, in tightly closed containers or as instructed label on container. Keep away from ignition sources including electrostatic charge, heat, sparks, open flame, and strong oxidizers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Exposer Limits:

This product does not contain any components with specific occupational exposer limit.

Appropriate engineering controls:

Provide adequate ventilation. Try to minimize the risk of inhalation of dust.

Individual protection measures, such as personal protective equipment:

Eye/face Protection:

Wear dust-proof safety goggles where there is a risk of eyes contact.

Skin Protection:

Hand protection:

No specific precautions.

Others:

Wear suitable protective clothing.

Respiratory protection:

In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter.

Thermal hazards:

No specific requirement, advice to wear safety gloves to protect thermal burns when material is heated.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

<u>Parameter</u>	<u>Value / Test method / Remarks</u>
1. Physical state	Solid
2. Colour	White
3. Odour, odour threshold	Odourless
4. pH	4.0-7.0
5. Solubility in water	Soluble in water
6. Flash point	Not Applicable
7. Melting Point	~80 -100 °C
8. Vapour pressure	No Data Available
9. Vapor density (air=1)	No Data Available

Other information:

No other physical and chemical parameters relevant for the safe use of the substance

SECTION 10: STABILITY AND REACTIVITY

Reactivity:

No reactivity hazards of the substance

Chemical stability:

Material is stable under normal condition

Possibility of hazardous reactions:

No hazardous reactions under normal condition.

Conditions to avoid:

Prevent dust cloud. Dust clouds may be explosive under certain conditions. Avoid dust close to ignition sources.

Incompatible materials:

Acids, caustics, and other chemicals that could reactive to produce a hazardous situation, should be avoided

Hazardous decomposition products:

Under fire conditions, thermal decomposition may generate irritating and/or toxic fumes

SECTION 11: TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity

Acute oral toxicity (LD50): 2000 mg/kg body weight [Rat]

Skin corrosion/irritation:

No information available

Serious eye damage/irritation:

No information available

Respiratory or skin sensitisation:

No information available

Germ cell mutagenicity:

No information available

Carcinogenicity:

No information available

Reproductive toxicity:

No information available

Information on the likely routes of exposure : Not available

Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Short term exposure

Potential immediate effect : Not available

Potential delayed effects : Not available.

Long term exposure

Potential chronic health immediate effects : Not available

Potential delayed effects : Not available

Potential chronic health effects

No Data available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:

No Data available.

Persistence and degradability:

No Data available.

Bio-accumulative potential:

Product/ingredient name	LogP _{ow}	BCF	Potential
Glucose	-324	~ 3	low

Mobility in soil:

Soil/water partition coefficient (KOC)

No Data available.

Other adverse effects:

No known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods:

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. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Packaging material:

Dispose of Empty containers or liners may retain some product residues. Avoid dispersal of spilled material.

SECTION 14: TRANSPORT INFORMATION

U N number or ID number:

Not regulated.

UN proper shipping name:

Not available

Transport hazard class(es)

Not available

Packing group:

Not available

Environmental hazards:

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 or spillage.

Product Name: Dextrose Monohydrate

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Date of issue: 01/09/2021

Version: 1.1

SECTION 15: REGULATORY INFORMATION

No Special Information is available

SECTION 16: OTHER INFORMATION

Indication of changes:

Not Relevant

Abbreviations and
acronyms:

GHS-Global Harmonization System

CAS-Chemical Abstracts Service

LD50- Lethal dose 50%

References and sources
for data:

ECHA - Guidance on the compilation of safety data sheets
Version 4.0

Key literature references and sources for data

Revision Information:

No changes.

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