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THE BTTCO OVERSEAS

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Material Safety Data Sheet
Dextrose Monohydrate
(IP/BP/USP/EP/Food Grade)

Section 1-Product Identification & Company Information

Product Name : Dextrose Monohydrate

Substance Name : Glucose

Synonyms : D-Glucose Monohydrate, Glucose Monohydrate, D (+)-Glucose Monohydrate, Dextrose Hydrate, Corn Sugar Monohydrate

CAS No : 77938-63-7
EC No. : 200-075-1

Identified Uses : Food & Pharmaceutical application, Cosmetic & Personal care products

Uses advised against : No Data Available.

Company Name & Address : The BTTCO Overseas
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Section 2- Composition/Information on Ingredients

Substances : Not applicable

Mixture:

Ingredient	CAS NO.	Concentration
Glucose	50-99-7	90% (Min)
Water	7732-18-5	7.0 – 9.5 %

Section 3- 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.

Potential Health Effects:

Organ	Description
Eyes	Eye irritation may occur
Ingestion	May be harmful if ingested
Inhalation	May cause respiratory tract irritation if inhaled
Skin	May cause irritation if absorbed through skin

Section 4- First Aid Measures

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.

Inhalation : In Normal condition of intended use, material is not expected to be an inhalation problem. Seek medical attention for any breathing difficulties.

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- Fire Fighting Measures

Extinguishing media : Water Spray

Special hazard arising from a substance/mixture : Oxides of carbon

Advice for firefighters : Fire Fighters should wear self-protective equipment coat, Dust and fire heat like coat, helmet with face shield, gloves, self-contained breathing Apparatus etc.

Section 6- Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency Personnel : 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.

For Emergency Responders : Advice should wear related to suitable fabric for personal protective clothing & Equipment's.

Environmental Precautions : 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 Collect and dispose of spillage as indicated in section 13 and rinse area with water.

Reference to Other Section : For further information refer to section 13.

Section 7- Handling and Storage

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

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

Specific end use(s) : No additional information available

8. Exposure Controls/Personal Protection

Exposure limits : This product does not contain any components with specific occupational exposer limit

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

Personal protection equipment

Eye/face Protection : Wear dust-proof safety goggles where there is a risk of eyes contact.

Skin Protection : Wear PPE to protect body

Hand protection : Wear Gloves

Others : No additional requirement.

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.

Environmental exposure Controls : Avoid release to the environment.

Section 9- Physical and Chemical Properties

Appearance : Solid
Color : Colorless
Odour, Odour threshold : Odourless
pH : 4.0 – 7.0
Solubility in water : Soluble in water
Other Information : No additional information available

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 : Avoid Heat, Ignition and other incompatibilities.
Incompatible Materials : Acids, caustics, and other chemicals that hazardous situation, should be avoided.
Hazardous Decomposition Products : Under fire conditions, thermal decomposition may generate carbon fumes.

Section 11- Toxicological Information

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 sensitization : 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

Other Hazardous:

Potential acute health effects:

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

Delayed and immediate effects and 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

Section 12- Ecological Information

Toxicity : No Data available.
Persistence and degradability : No Data available.

Bio-accumulative potential : No Data available.
Mobility in soil : Soil/water partition coefficient (KOC): No Data available.
Result of PBT and vPvB Assessment : This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
Endocrine disrupting properties : No additional information available
Other adverse effects : No known significant effects or critical hazards.

Section 13- Disposal Considerations

Waste Disposal : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection 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 and runoff and contact with soil, waterways, drains and sewers.

Section 14- Transport Information

DOT/IMDG/IMO/IATA

Proper Shipping Name : Not Regulated
Technical Name : Not Regulated
UN No : Not Regulated
CAS No : 77938-63-7
EMS No : Not Regulated
IMDG-Packaging Group : Not Regulated
Marine Pollutant : No
Class : Not Regulated
Packing Group : Not Regulated
Subsidiary Risks : Not Regulated
Label Required : Not Required

Special precautions for user

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.

Section 15- Regulatory Information

Safety, health and environmental regulations/ legislation specific for the substance or mixture:

According to Regulation (EC) No. 1907/2006 (REACH)
Classification according to Regulation (EC) No. 1272/2008 [CLP]
In accordance with Regulation (EU) 2020/878

Chemical safety assessment: No information 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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