

MATERIAL SAFETY DATA SHEET**Product Name:** Dextrose Monohydrate**CAS No.:** 5996-10-1**Version:** 0**1. Identification**

Product Code : 90388
Company Name : Advent Chembio Private Limited
Address : W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.
E-mail : info@adventchembio.com
WEBSITE : www.adventchembio.com
Company Phone Number : 022-27690837

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
DEXTROSE MONOHYDRATE	5996-10-1	90 - 100%

3. Hazards Identification

Hazard classification
OSHA hazard(s) : Combustible dust.
Labels elements
Hazard symbol : No symbol
Signal word : No signal word.
Hazard statement : May form combustible dust concentrations in air
Other hazards which do not result in GHS classification : None

4. First Aid Measures

General information : Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance .

Ingestion : Rinse mouth thoroughly. Call a POISON CENTER or doctor/physician if you feel unwell .

Inhalation : Move to fresh air. Get medical attention if symptoms persist .

Skin contact : Wash skin thoroughly with soap and water. Get medical attention if symptoms occur .

Eye contact : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms persist .

Most important symptoms/effects, acute and delayed : Symptoms may be delayed. May irritate eyes.

MATERIAL SAFETY DATA SHEET**Product Name:** Dextrose Monohydrate**CAS No.:** 5996-10-1**Version:** 0

Indication of immediate medical attention and special treatment needed : Treat symptomatically

5. Fire Fighting Measures

General fire hazards : Dust may form explosive mixture with air.
Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray, dry powder or carbon dioxide.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : Dust may form explosive mixture with air. .

Special protective equipment and precautions for firefighters

Special fire fighting procedures : Use water spray to keep fire-exposed containers cool. Move containers from fire area if you can do so without risk.

Special protective equipment for fire-fighters : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA .

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures : Keep unauthorized personnel away. Keep upwind. Ventilate closed spaces before entering them. Avoid inhalation of dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing .

Methods and material for containment and cleaning up : Remove sources of ignition. Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination.

Notification Procedures : Inform authorities if large amounts are involved. Prevent entry into waterways, sewer, basements or confined areas. Prevent runoff from entering drains, sewers, or streams.

Environmental precautions : Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

MATERIAL SAFETY DATA SHEET**Product Name:** Dextrose Monohydrate**CAS No.:** 5996-10-1**Version:** 0**7. Handling and Storage**

- Precautions for safe handling** : Avoid generation and spreading of dust. Dust may form explosive mixture with air. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Wash thoroughly after handling.
- Conditions for safe storage, including any incompatibilities** : Keep container tightly closed. Store in a well-ventilated place.

8. Exposure Controls Personal Protection**Control parameters**

Occupational exposure limits : None of the components have assigned exposure limits.

Appropriate engineering controls : No data available.

Individual protection measures, such as personal protective equipment

General information : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area .

Eye/face protection : Wear safety glasses with side shields (or goggles). Use tight fitting goggles if dust is generated.

Hand protection : Not normally needed.

Other : Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory protection : Wear respirator if there is dust formation.

Hygiene measures : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

MATERIAL SAFETY DATA SHEET**Product Name:** Dextrose Monohydrate**CAS No.:** 5996-10-1**Version:** 0**9. Physical and Chemical Properties**

Appearance	:	Crystals or powder , Colorless to white
Odor	:	Odorless
Solubility	:	Soluble
Relative density	:	1.54 (20 °C)
pH	:	No data available.
Initial boiling point and boiling range	:	No data available
Melting point/freezing point:	:	83 °C
Vapor pressure	:	No data available
Vapor density:	:	No data available
Formula	:	C ₆ H ₁₂ O ₆ ·H ₂ O
Molecular Weight	:	198.2 g/mol

10. Stability and Reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use
Chemical stability	:	Material is stable under normal conditions.
Possibility of hazardous reactions	:	Hazardous polymerization does not occur.
Conditions to avoid	:	Heat, sparks, flames. Dust clouds may be explosive under certain conditions. Contact with incompatible materials .
Incompatible materials	:	Strong oxidizing agents. Inorganic peroxides.
Hazardous decomposition products	:	Oxides of Carbon .

11. Toxicological Information**Information on likely routes of exposure**

Ingestion	:	Expected to be a low ingestion hazard.
Inhalation	:	Dust may irritate throat and respiratory system and cause coughing.
Skin contact	:	None under normal conditions.
Eye contact	:	Dust in the eyes will cause irritation.

Information on toxicological effects**Acute toxicity (list all possible routes of exposure)**

Oral Product	:	No data available.
Dermal Product	:	No data available.
Inhalation Product	:	No data available.
Repeated dose toxicity Product	:	No data available.
Skin corrosion/irritation Product	:	Not applicable
Serious eye damage/eye irritation Product	:	Not applicable .

MATERIAL SAFETY DATA SHEET**Product Name:** Dextrose Monohydrate**CAS No.:** 5996-10-1**Version:** 0

Respiratory or skin sensitization Product	:	Not a skin sensitizer.
Carcinogenicity Product	:	This substance has no evidence of carcinogenic properties .
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans	:	No carcinogenic components identified.
US. National Toxicology Program (NTP) Report on Carcinogens	:	No carcinogenic components identified.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	:	No carcinogenic components identified.
Germ cell mutagenicity In vitro Product	:	No mutagenic components identified.
In vivo Product	:	No mutagenic components identified.
Reproductive toxicity Product	:	No components toxic to reproduction.
Specific target organ toxicity - single exposure Product	:	Not known.
Specific target organ toxicity - repeated exposure Product	:	None known.
Aspiration hazard Product	:	None known.
Other effects	:	Not classified .

12. Ecological Information**Ecotoxicity****Acute hazards to the aquatic environment :****Fish Product** : No data available.**Aquatic invertebrates Product** : No data available**Chronic hazards to the aquatic environment :****Fish Product** : No data available.**Aquatic invertebrates Product** : No data available.**Toxicity to Aquatic Plants Product:** : No data available.**Persistence and degradability****Biodegradation Product** : Expected to be readily biodegradable.**BOD/COD ratio Product** : No data available.**Bioaccumulative potential****Bioconcentration factor (BCF) Product** : No data available on bioaccumulation.**Product****Partition coefficient n-octanol / water (log Kow) Product** : No data available.**Mobility in soil**

: The product is water soluble and may spread in water systems.

: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment .

MATERIAL SAFETY DATA SHEET

Product Name: Dextrose Monohydrate

CAS No.: 5996-10-1

Version: 0

13. Disposal consideration

- Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws.
- Contaminated packaging** : Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT			Not Regulated		
IMDG			Not Regulated		
IATA			Not Regulated		

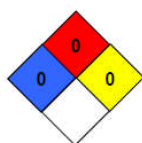
15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

MATERIAL SAFETY DATA SHEET**Product Name:** Dextrose Monohydrate**CAS No.:** 5996-10-1**Version:** 0**Issue Date :**01/08/2014**Version :**0

Disclaimer: This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. ADVENT CHEMBIO PRIVATE LIMITED makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the technical instructor in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of ADVENT CHEMBIO PRIVATE LIMITED and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).