

Dextrose, Hydrous, USP

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name Dextrose, Hydrous, USP

Product Code DX0155

Manufacturer EMD Chemicals Inc.

P.O. Box 70

480 Democrat Road

Gibbstown, NJ 08027

Prior to January 1, 2003 EMD Chemicals Inc. was

EM Industries, Inc. or EM Science, Division of

EM Industries, Inc.

Effective Date 3/3/2003

For More Information Call

856-423-6300 Technical Service

Monday-Friday: 8:00 AM – 5:00 PM

In Case of Emergency Call

800-424-9300 CHEMTREC

(USA)

613-996-6666 CANUTEC

(Canada)

24 Hours/Day: 7 Days/Week

Synonym D-Glucose Monohydrate

Material Uses Analytical reagent.

Chemical Family Sugar

Section 2. Composition and Information on Ingredients

Component

CAS # % by Weight

Dextrose, Monohydrate

5996-10-1 100

Section 3. Hazards Identification

Physical State and Appearance Solid. (Powdered solid.)

Emergency Overview CAUTION!

Handling care generally in keeping with safe laboratory practices is recommended.

Routes of Entry Inhalation. Ingestion.

Potential Acute Health Effects

Eyes No known acute effects of this product resulting from eye contact.

Skin No known acute effects of this product resulting from skin contact.

Inhalation No known acute effects of this product resulting from inhalation.

Ingestion No known acute effects of this product resulting from ingestion.

Potential Chronic Health Effects

Carcinogenic Effects This material is not known to cause cancer in animals or humans.

Additional information See Toxicological Information (section 11)

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately

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	flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 5. Fire Fighting Measures

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 static discharge: No. Risks of explosion of the product in presence of mechanical impact: No.
Fire Fighting Media and Instructions	Not applicable.
Protective Clothing (Fire)	Not applicable.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill and Leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Large Spill and Leak	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
Spill Kit Information	No specific spill kit required for this product.

Section 7. Handling and Storage

Handling	Avoid breathing dust. Do not ingest.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection

Eyes Safety glasses.

Body Lab coat.

Respiratory Not applicable.

Hands Not applicable.

Feet Not applicable.

Protective Clothing (Pictograms)

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.

Product Name	Exposure Limits
Dextrose, Monohydrate	Not available.

Section 9. Physical and Chemical Properties

Odor Not available.

Color White.

Physical State and Appearance Solid. (Powdered solid.)

Appearance

Molecular Weight 198.17 g/mole

Molecular Formula HOCH₂CH(CHOH)₄O . H₂O

pH Not available.

Boiling/Condensation Point Not available.

Point

Melting/Freezing Point Not available.

Point

Specific Gravity Not available.

Vapor Pressure Not available.

Vapor Density Not available.

Odor Threshold Not available.

Evaporation Rate Not available.

LogKow Not available.

Solubility Soluble in water.

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Reactivity

Conditions of Instability Not available.

Instability

Incompatibility with Various Substances Not available.

Various Substances

Rem/Incompatibility Not available.

Hazardous Decomposition Not available.

Decomposition

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Products

Hazardous

Will not occur.

Polymerization

Section 11. Toxicological Information

RTECS Number:

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Not available.

Toxicity

LD50: Not available.

LC50: Not available.

Chronic Effects on

Not available.

Humans

Acute Effects on

Not available.

Humans

Synergetic Products

Not available.

(Toxicologically)

Irritancy

Draize Test: Not available.

Sensitization

Not available.

Carcinogenic

This material is not known to cause cancer in animals or humans.

Effects

Toxicity to

Not available.

Reproductive

System

Teratogenic Effects

Not available.

Mutagenic Effects

Not available.

Section 12. Ecological Information

Ecotoxicity

Not available.

BOD5 and COD

Not available.

Toxicity of the

The product itself and its products of degradation are not toxic.

Products of

Biodegradation

Section 13. Disposal Considerations

EPA Waste

Not available.

Number

Treatment

Material does not have an EPA Waste Number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished. ALWAYS CONTACT A PERMITTED WASTE DISPOSAL (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

Section 14. Transport Information

DOT Classification

Proper Shipping Name: CHEMICALS,
N.O.S.

RQ: Not applicable.

TDG Classification

Not available.

IMO/IMDG

Proper Shipping Name: CHEMICALS,
N.O.S.

Classification

RQ: Not applicable.

Not available.

ICAO/IATA Classification

Section 15. Regulatory Information

U.S. Federal Regulations

TSCA 8(b) inventory: Dextrose, Monohydrate

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution – chemical inventory – hazard identification: No products were found.

SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found.

Clean air act (CAA) 112 regulated flammable substances: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

WHMIS (Canada)

Not controlled under WHMIS (Canada).

No products were found.

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.

International Regulations

EINECS Not available.

DSCL (EEC) This product is not classified according to the EU regulations.

International No products were found.

Lists

China: No products were found.

State Regulations

No products were found.

California prop. 65: No products were found.

Section 16. Other Information

National Fire
Protection
Association
(U.S.A.)

0 Fire
00 Hazard
Health
Reactivity
Specific
Hazard

Changed Since Last
Revision +

Notice to Reader

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