



MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT INFORMATION

Product Name: Dextrose

Synonyms: D-Glucose

P/N:

Company Name: Milk Specialties Company dba MS Global
Address: 260 S. Washington Carpentersville, IL 60110

Information: 847-293-6650 or 800-323-4274

SECTION II HAZARDOUS INGREDIENTS

Chemical Name	CAS Number	OSHA PEL	NISOH REL	% by Weight
Dextrose (D-Glucose)	50-99-77	Particulates Not Otherwise Classified 15 mg/m ³ of total dust 5 mg/M3 (Respirable Fraction)	Not Applicable	≤ 100%

SECTION III HAZARD IDENTIFICATION

Routes of Entry:	Symptoms of Exposure:
Inhalation	Inhalation of dust may irritate the nose, throat, and upper respiratory tract. There may be an adverse effect on diabetics.
Ingestion	Diabetics may have an adverse effect.
Eye Contact	Mild irritant
Skin Contact	Skin contact is not known to be hazardous to health.
Potential Health Effects: Diabetics may have an adverse effect.	
Target Organs: Eyes, Pancreas	

SECTION IV FIRST AID MEASURES

Eyes: Rinse with water for 15 minutes.
Skin: Rinse with water for 15 minutes.
Respiratory: Remove to fresh air. If allergic conditions occur seek medical attention.
Ingestion: If allergic conditions occur seek medical attention.
If medical conditions persist seek medical treatment.

SECTION V FIRE-FIGHTING MEASURES

Minimum Ignition Temperature (Dust Cloud)	460-480 ^o C
Minimum Ignition Energy	>500 mJ (millJoules)
Extinguishing Method:	Dry Chemical Powder, Foam, Water, Carbon Dioxide
Special Fire Fighting Procedure:	May be explosive
Unusual Fire Fighting & Explosion Hazards:	High concentrations of dust from this product may burn explosively if ignited by static charges or other ignition sources. The conditions under which this may occur are not readily predictable. Avoid open flames, electrical arcs, static electricity, and/or welding in areas of excessive dusting. Ensure that conveying and handling equipment is securely grounded. Fires and explosions may release carbon monoxide, smoke, and irritant combustion byproducts.
Hazardous Decomposition Products:	Carbon Monoxide

SECTION VI ACCIDENTAL RELEASE

Spill Containment:	Eliminate sources of ignition and static charge. Dry sweep spilled material to impervious containers. Avoid direct release to environmental media. Only use vacuum cleans designed for collecting explosive dust.
--------------------	--

SECTION VII HANDLING & STORAGE

Methods:	Do not allow material to build up in or on equipment and structures. Housekeeping to required keeping the accumulation of dust to the lowest possible limit. Equipment should be provided with electro static disiputative equipment. Seek advice from OSHA and NFPA on protective methods concerning the handling, storage and processing of dust. Do not use air blowing on this product. Ensure employees are trained in the handling of dust in accordance with 29CFR1910.1200. This product may become explosive.
----------	---

SECTION VIII EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Control:	Ventilation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wash skin of any residue and provide good housekeeping to control dust levels.
Eye Protection:	ANSI Approved safety glasses & face shield.
Skin Protection:	If irritation wear chemical gloves and Tyvek.
Respiratory Protection:	If dust exceeds Permissible Exposure Limit use NIOSH approved dust respirator.

SECTION IX PHYSICAL & CHEMICAL PROPERTIES

Appearance:	White
Odor:	Sweet
Physical State:	Solid
pH:	N/A
Vapor Pressure:	N/A
Packing Density:	~ 0.64 g/cc or ~ 40 lbs/ft ³
Boiling Point:	N/A
Freezing Point:	N/A
Solubility in Water:	Very soluble
Specific Gravity:	N/A

SECTION X STABILITY & REACTIVITY

Conditions to Avoid: Dust clouds; do not allow this material to accumulate in or on equipment or structures.
Incompatibility: Oxidizing materials.
Hazardous Decomposition: Carbon monoxide; carbon dioxide; irritant gasses, and smoke. Hazardous
Polymerization: Will not occur.

SECTION XI TOXICOLOGICAL

LD₅₀:
Carcinogen: IARC: Yes No NTP: Yes No OSHA: Yes No
Reproductive Hazards: Dextrose is not classified as a reproductive toxin by any authoritative body or regulatory agency.
Acute: This may cause irritation to nose, throat, respiratory tract, and ingestion system. May have an effect on diabetics.
Chronic: May have an effect on diabetics.

SECTION XII ECOLOGICAL

Environmental Impact: May cause waterway derogation in large quantities.

SECTION XIII DISPOSAL

Clean-up: Sweep, shovel, or rinse with water. Avoid procedures that generate suspended dust.
Disposal: In accordance with State and Federal Regulations.

SECTION XIV TRANSPORTATION

DOT Regulated: Yes No
Hazard Class:
Identification Number:
Packing Group:
Proper Shipping Name:
Remarks:

SECTION XV REGULATORY

TSCA: Listed.
CERCLA: No RQ amount
EPCRA/SARA: Not required for reporting 311/312/313
FDA: GRAS
CANADA
WHMIS: N/A
DSL: Included
Food/Drug Act: Regulated as a foodstuff.

SECTION XVI OTHER

PREPARATION

The information contained herein is accurate to the best of our knowledge and is based on publicly available information at the time of revision. This is for informational purposes only; we do not guarantee that any hazards listed or regulatory requirements. Milk Specialties Company makes no warranty of any kind, expressed or implied, concerning the safe use or regulatory compliance of this material. It is incumbent on the user to determine the conditions for safe and regulatory use of this product in their specific operation.