

Material Safety Data Sheet

Dextrose

ACC# 75151

Section 1 - Chemical Product and Company Identification

MSDS Name: Dextrose

Catalog Numbers: LC13550

Synonyms: glucose, D-glucose, anhydrous dextrose

Company Identification:

Labchem Inc.

200 William Pitt Way

Pittsburgh, PA 15238

For information, call: 412-826-5230

For CHEMTREC assistance, call: 800-424-9300

For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
50-99-7	Glucose	100	200-075-1

Hazard Symbols: None listed.

Risk Phrases: None listed.

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colorless. This is expected to be a low hazard for usual industrial handling.

Target Organs: None known.

Potential Health Effects

Eye: May be an eye irritant.

Skin: May be a skin irritant.

Ingestion: Low hazard for usual industrial handling.

Inhalation: Low hazard for usual industrial handling.

Chronic: Possible dermatitis and conjunctivitis.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. If irritation develops, get medical aid.
Skin: Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.
Ingestion: Get medical aid if irritation or symptoms occur.
Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Firefighting Measures

General Information: Negligible fire and explosion hazard when exposed to heat or flame. Move container if possible, avoid breathing vapors or dust.
Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Sweep up, then place into a suitable container for disposal.

Section 7 - Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas.
Storage: Store capped at room temperature. Protect from heat and incompatibles.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: There are no special ventilation requirements.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Glucose	none listed	none listed	none listed

OSHA Vacated PELs: Glucose: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear splash-proof safety goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Not required for normal use. Firefighting-- any self-contained breathing apparatus with full facepiece operated in pressure-demand mode.

Section 9 - Physical and Chemical Properties

Physical State: Granules

Appearance: colorless

Odor: odorless

pH: 5.9 (0.5M soln)

Vapor Pressure: 14mm Hg @20 deg C

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 295 deg F

Decomposition Temperature: Not available.

Autoignition Temperature: Not available.

Flash Point: Not available.

NFPA Rating: Not published.

Explosion Limits, Lower: Not available.

Upper: Not available.

Solubility: Soluble.

Specific Gravity/Density: 1.5

Molecular Formula: Not available.

Molecular Weight: Not available.

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Oxidizing materials, acids.

Hazardous Decomposition Products: Not available.

Hazardous Polymerization: Not available.

Section 11 - Toxicological Information

RTECS#:

CAS# 50-99-7 unlisted.

LD50/LC50:

CAS# 50-99-7:

Oral, rat: LD50 = 25800 mg/kg;

Carcinogenicity:

CAS# 50-99-7: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: Dextrose is a food substance considered to have a relatively low level of toxicity; considered innocuous to eyes and skin.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Neurotoxicity: No data available.

Mutagenicity: No data available.
Other Studies: No data available.

Section 12 - Ecological Information

No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	No information available.				No information available.
Hazard Class:					
UN Number:					
Packing Group:					

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 50-99-7 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

Section 302 (RQ)

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 50-99-7: flammable.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 50-99-7 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 50-99-7: 0

Canada

CAS# 50-99-7 is listed on Canada's DSL List. CAS# 50-99-7 is listed on Canada's DSL List.

WHMIS: Not available.

CAS# 50-99-7 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

Section 16 - Additional Information

MSDS Creation Date: 1/31/1999

Revision #1 Date: 12/06/2000

Information in this MSDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and LabChem Inc. assumes no liability resulting from the use of this MSDS. The user must determine suitability of this information for his application.