

000300

MATERIAL SAFETY DATA SHEET

GLUCOSE SOLUTION, 1%
Carolina Biological Supply Company

Revised: 10/13/09
Replaces: 10/06/08
Printed: 09/17/12

1. PRODUCT DESCRIPTION

Product Name: Glucose Solution, 1%
Product Code(s): 84-1112
Size: 4 oz
Chemical Name: N/A
CAS Number: 50-99-7
Formula: C₆H₁₂O₆
Synonyms: D-Glucose, Grape Sugar, Corn Sugar, Dextrose
Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 27215

RECEIVED OCT 05 2012

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principal Component: Dextrose (CAS#50-99-7) 1%
TLV and PEL units: None established

3. HAZARD IDENTIFICATION

Emergency Overview: Not considered hazardous under normal conditions of use.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes - Flush thoroughly with water. Seek medical attention if irritation persists.

Skin - Wash exposed area with soap and water. Seek medical attention if irritation persists.

Ingestion - In quantities normally handled, symptoms would not be expected. If swallowed, if conscious, give water. Seek medical attention if gastrointestinal irritation or other unexpected symptoms develop.

Inhalation - Not expected to present a problem. However, if the exposed person is having trouble breathing, remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm and quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point(Method Used): Not applicable

NFPA Rating: N/A

Extinguisher Media:

Use media suitable to extinguish surrounding fire.

Flammable Limits in Air % by Volume: Not applicable

Autoignition Temperature: No information available

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None expected

6. SPILL OR LEAK PROCEDURES

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Steps to be Taken in Case Material is Released or Spilled:
Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Store tightly closed in a cool, dry, well ventilated area suitable for general chemical storage. Other Precautions: Wash thoroughly after handling. Do not take internally.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type):

None needed under normal conditions of use with adequate ventilation.

NIOSH approved equipment should be worn if PELs are exceeded.

Ventilation:

Local Exhaust: Preferred

Mechanical(General): Acceptable

Special: No

Other: No

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab apron, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight: Not applicable

Melting Point: Not available

Boiling Point: Not available

Vapor Pressure: Not available

Vapor Density(Air=1): Not available

Specific Gravity(H₂O=1): N/A

Percent Volatile by Volume: 0%

Evaporation Rate(H₂O=1): Not available

Solubility in Water: Soluble

Appearance and Odor: Clear liquid, odorless

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: May react violently with strong oxidizers

Incompatibility(Materials to Avoid): Oxidizers

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data for glucose: Oral Rat LD₅₀: 25,800 mg/kg

Effects of Overexposure:

Acute: See section 3

Chronic: Not listed as causing cancer by IARC, NTP, or OSHA.

Conditions Aggravated by Overexposure: No information available

Target Organs: No information available

Primary Route(s) of Entry: Ingestion

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12. ECOLOGICAL DATA

EPA Waste Numbers: None

13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.
Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

Not regulated for transport.

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute

Product or Components	SARA EHS Sec. 302 TPQ	SARA Sec. 313 Chemicals Name Chemical List Category	CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33
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Dextrose, Anhydrous	No	No	No	No
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16. ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists
CAS Number..Chemical Abstracts Service Number
CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act
DOT.....U.S. Department of Transportation
IARC.....International Agency of Research on Cancer
mppcf.....million particles per cubic foot
N/A.....Not Available
NTP.....National Toxicology Program
OSHA.....Occupational Safety and Health Administration
PEL.....Permissible Exposure Limit
ppm.....parts per million
RCRA.....Resource Conservation and Recovery Act
SARA.....Superfund Amendments and Reauthorization Act
TLV.....Threshold Limit Value
TSCA.....Toxic Substances Control Act