

MATERIAL SAFETY DATA SHEET

LEVULOSE RG 100G
Carolina Biological Supply

Revised: 16/07/04
Replaces: 16/07/04
Printed: 30/01/08

1. PRODUCT DESCRIPTION

Product Name: Levulose
Product Code(s): 87-2340
Size: 100 G
Chemical Name: beta-D-Fructopyranose
CAS Number: 7760-25-5
Formula: C₆H₁₂O₆
Synonyms: B-D-Fructose, Fruit Sugar
Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 27215

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principle Hazardous Components: Levulose (CAS#7660-25-5) 100%
TLV and PEL units: None established

3. HAZARD IDENTIFICATION

Emergency Overview: Not considered hazardous under normal conditions.
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 with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.

Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.

Ingestion - If swallowed, if conscious, give plenty of water and induce vomiting immediately as directed by medical personnel. Immediately call a physician or poison control center. Never give anything by mouth to an unconscious person.

Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point (Method Used): N/A

NFPA Rating: None established

Extinguisher Media:

Use dry chemical, CO₂ or appropriate foam.

Flammable Limits in Air % by Volume: N/A

Autoignition Temperature: N/A

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

MATERIAL SAFETY DATA SHEET

LEVULOSE RG 100G
Carolina Biological Supply

Revised: 16/07/04
Replaces: 16/07/04
Printed: 30/01/08

Steps to be Taken in Case Material is Released or Spilled:

Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up 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.

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:	Yes
Mechanical(General):	Yes
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 coat, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight:	N/A
Melting Point:	N/A
Boiling Point:	Decomposes at 103-105 C
Vapor Pressure:	N/A
Vapor Density(Air=1):	N/A
Specific Gravity(H2O=1):	N/A
Percent Volatile by Volume:	N/A
Evaporation Rate(H2O=1):	N/A
Solubility in Water:	Freely soluble
Appearance and Odor:	White to light brown powder, no odor

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: N/A

Incompatibility(Material to Avoid): N/A

Hazardous Decomposition Products: Oxides of carbon

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: N/A

Effects of Overexposure:

Acute: See section 3

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

Conditions Aggravated by Overexposure: Dust may cause irritation to eye,

contact with skin may cause irritation or allergic reaction, and dust may

cause irritation to nasal passages and mucous membranes.

Target Organs:

MATERIAL SAFETY DATA SHEET

LEVULOSE RG 100G
Carolina Biological Supply

Revised: 16/07/04
Replaces: 16/07/04
Printed: 30/01/08

Primary Route(s) of Entry: Inhalation, ingestion, skin, eyes

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

Non-regulated

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute

	SARA EHS	SARA Sec. 313	CERCLA	RCRA
Product or	Sec. 302	Chemicals	Sec. 103	Sec.
Components	TPQ	Name Chemical	RQ lbs.	
		List Category		
261.33				

Levulose	No	No	No	No	No
----------	----	----	----	----	----

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