



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. GG 10  
Effective Date July 27, 1998

## SECTION V HEALTH HAZARD DATA

GG 10

### Threshold Limited Value

None established (ACGIH 1983-84).

### Effects of Overexposure

Low hazard for usual laboratory handling, but contact may cause irritation to skin and eyes. **INHALATION:** May cause irritation. **INGESTION:** May cause irritation of mouth, throat, esophagus and gastrointestinal tract.

### Emergency and First Aid Procedures

**INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. Never give anything by mouth to an unconscious person. If discomfort or illness develops, get medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **INHALATION:** Remove to fresh air. If illness develops, get medical attention.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	X Excessive temperature or heat.

Incompatibility (Materials to Avoid)	Strong oxidizers (nitric acid, sodium hypochlorite).
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Hazardous Decomposition Products	Combustion will produce smoke, carbon dioxide (CO <sub>2</sub> ) and probably carbon monoxide (CO).
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Recover for use if not contaminated. Wear protective safety equipment and use adequate ventilation. Avoid making dust. Sweep up and place in a suitable container for disposal.
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Waste Disposal Method	Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.  Dissolve in accordance with federal, state and local regulations.
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## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in fume hood or wear NIOSH/MSHA approved dust mask.		
Ventilation	Local Exhaust	Recommended.	Special
	Mechanical (General)	Not needed.	Other
Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.

Other Protective Equipment	Lab coat, eye wash station, proper gloves, ventilation hood.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from oxidizing materials. Wash thoroughly after handling.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Avoid prolonged or repeated contact with skin.  
Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 4	Date	7/27/98	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	D(+) GALACTOSE
Chemical Synonyms	Cerebrose; Brain Sugar
Formula	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
Unit Size	up to 2.5 Kg.
C.A.S. No.	59-23-4

CHEMTREC  
800-424-9300  
Day 716-226-6177

NFPA  
HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

Health	0
Fire	1
Reactivity	0

HMIS \*  
3 4

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
D(+) Galactose	100%	None established.
LOW HAZARD FOR USUAL LABORATORY HANDLING; NON-TOXIC		

## SECTION III PHYSICAL DATA

Melting Point (°F)	168-170°C (334-338°F)	Specific Gravity (H <sub>2</sub> O = 1)	1.5
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Negligible as solid.
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (≈1)	Not applicable.
Vapor Density (Air=1)	6.2		
Solubility in Water	65 grams per 100 mL. water at 20°C.		
Appearance & Odor	White crystalline powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable.	Flammable Limits in Air % by Volume	NA	Lower	Upper
Extinguisher Media	Carbon dioxide (CO <sub>2</sub> ); dry chemical (ABC); water spray.				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials. Material in powder form, is capable of creating a dust explosion.

D.O.T.	NON-REGULATED.
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-20