



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. GG 189  
Effective Date November 5, 1998

## SECTION V HEALTH HAZARD DATA

GG 189

### Threshold Limited Value

None established. (ACGIH 1992-93).

### Effects of Overexposure

No known effects. **INHALATION:** Low hazard for usual laboratory handling but may irritate skin or lungs when exposed to large amounts of dust. **SKIN:** Low hazard for usual laboratory handling. **EYES:** No specific hazard known. Contact may cause transient irritation. **INGESTION:** Expected to be a low ingestion hazard. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**EYES:** Flush thoroughly with water, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention. **SKIN:** Flush with water. **INGESTION:** If swallowed, if conscious, treat symptomatically and supportively. Get medical attention if discomfort or illness develops. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Strong oxidizing materials.
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Hazardous Decomposition Products	Thermal decomposition or heating will produce carbon dioxide and/or carbon monoxide, oxides of phosphorous and potassium.
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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	Wear protective safety equipment and use adequate ventilation. Avoid making dust. Sweep up and place in a suitable container for disposal. Wash spill area with soap and water.
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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.
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Dissolve in large amounts of water and flush to sewer with copious amounts of water.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.
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Ventilation	Local Exhaust	Yes.	Special	No.
	Mechanical (General)	None needed.	Other	No.

Protective Gloves	Rubber for prolonged contact.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Eye wash station, lab coat, ventilation hood, proper gloves.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place. 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 contact with skin or eyes. Avoid breathing dust.  
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	11/5/98	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	GLUCOSE-1-PHOSPHATE, DIPOTASSIUM SALT
Chemical Synonyms	d-Glucose-1-phosphoric acid
Formula	C <sub>6</sub> H <sub>11</sub> O <sub>9</sub> PK <sub>2</sub> •2H <sub>2</sub> O
Unit Size	up to 2.5 Kg.
C.A.S. No.	5996-14-5

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

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

Health	1
Fire	0
Reactivity	1

HMIS \*

3	4
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## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Glucose-1-Phosphate, Dipotassium Salt	98%	None established.

LOW HAZARD FOR USUAL LABORATORY HANDLING; NON-TOXIC.

## SECTION III PHYSICAL DATA

Melting Point (°F)	209°C (408°F) dec.	Specific Gravity (H <sub>2</sub> O = 1)	No data listed.
Boiling Point (°F)	Not applicable.	Percent Volatile by Volume (%)	No data listed.
Vapor Pressure (mm Hg)	No data listed.	Evaporation Rate ( =1)	Not applicable.
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	Freely soluble in water.		
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
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Extinguisher Media	Water spray; carbon dioxide (CO <sub>2</sub> ); dry chemical (ABC); foam.				

### 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.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20