



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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(716) 226-6177

MSDS No. SS 804
Effective Date May 5, 1999

SECTION V HEALTH HAZARD DATA

SS 804

Threshold Limited Value ACGIH TLV 10 mg/m³ (1992-93).
PEL TWA 5 mg/m³ (respirable) 29 CFR 1910.1000, 1989

Effects of Overexposure **SKIN:** Exposure may cause irritation, pain and dermatitis. **EYES:** May cause redness, pain and irritation. **INHALATION:** May cause coughing, respiratory tract irritation, dyspnea and pulmonary edema. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops, get medical attention. **SKIN:** Wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give water to drink and call physician. Induce vomiting. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	High temperatures.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizers.

Hazardous Decomposition Products Carbon dioxide, carbon monoxide, sodium oxide.

Hazardous Polymerization	Conditions to Avoid		No reports found.
	May Occur	Will Not Occur	
		X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Ventilate well. Avoid creating dust. Sweep up and place in a suitable container for proper disposal. Wash spill area with soap and water.

SECTION VIII SPECIAL PROTECTION INFORMATION

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.

Dispose of in an approved chemical incinerator or contract with a licensed waste disposal service.

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.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	Adequate to maintain below exposure limit.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment Lab coat, apron, eye wash station, proper gloves, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool place. Wash thoroughly after handling.

Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Avoid prolonged or repeated contact.
Remove and wash contaminated clothing.

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

Revision No. 3	Date 5/5/99	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	SODIUM PYRUVATE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * HEALTH FIRE REACTIVITY 1 0 0
Chemical Synonyms	Pyruvic Acid, Sodium Salt	
Formula	CH ₃ COCOONa	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	113-24-6	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Pyruvate	100%	See Section V.

CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES AND MUCOUS MEMBRANES.

SECTION III PHYSICAL DATA

Melting Point (°F)	> 300°C (572°F)	Specific Gravity (H₂O = 1)	No data available.
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	Non-volatile.
Vapor Pressure (mm Hg)	No data available.	Evaporation Rate (Ether = 1)	N/A
Vapor Density (Air=1)	No data available.		
Solubility in Water	Very soluble.		
Appearance & Odor	White to off-white powder; may have a very slight acetic acid odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media Water; foam; carbon dioxide (CO₂); dry chemical (ABC).

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products of sodium oxides. Can react vigorously with strong oxidizing materials.

D.O.T. NON-REGULATED.

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