



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. PP 820
Effective Date October 6, 1998

SECTION V HEALTH HAZARD DATA

PP 820

Threshold Limited Value

RETECS No. UE5950000 Toxicity data: Orl-rat LD50 3500 mg/kg; ipr-rat LD50 200 mg/kg. TWA: 10 ppm; 30 mg/m³ (ACGIH 1992-93). STEL: 15 ppm

Effects of Overexposure

INGESTION: Moderately toxic, may cause nausea, vomiting and abdominal pain. Aspiration hazard. **SKIN ABSORPTION:** Prolonged or extensive exposure may result in the absorption of harmful amounts of material. **INHALATION:** Causes irritation or injury to respiratory tract. **SKIN CONTACT:** Causes chemical burns. **EYE CONTACT:** Causes chemical burns.

Emergency and First Aid Procedures

INGESTION: Do NOT induce vomiting. If swallowed, if conscious, give large quantities of water to drink. Follow with milk of magnesia, beaten eggs or vegetable oil. Call physician immediately. Never give anything by mouth to an unconscious person. **SKIN:** Remove contaminated clothing and flush skin thoroughly with water. Call a physician. **INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get immediate medical attention.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Avoid contamination with alkalies, ammonia, amines and halogens. Oxidizing materials can cause a vigorous reaction.
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Hazardous Decomposition Products	Burning will produce carbon monoxide and/or carbon dioxide.
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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	Eliminate all ignition sources. Wear suitable protective equipment. Small spills may be collected with absorbent materials. For large spills, use water spray to dilute spill to a non-combustible mixture. Prevent run-off from spill entering drains, sewers or streams. Neutralize spill and/or washings with soda ash or lime. See "NOTE" in Section IX.
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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.

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

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	Use in fume hood. An appropriate NIOSH/MSHA-approved respirator for organic vapor and/or mists should be worn as needed.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	Adequate to maintain below exposure limit.

Protective Gloves	Rubber.	Eye Protection	Goggles.
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Other Protective Equipment	Smock, apron, eye wash station, face shield, proper gloves, ventilation hood, fire extinguisher.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Do not get in eyes, on skin, on clothing. Keep away from heat and open flame. Use with adequate ventilation. Wash thoroughly after handling. Remove and wash contaminated clothing.
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Other Precautions

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

NOTE: It may be feasible to neutralize small spills, using an aqueous alkali solution; the neutral solution could then be disposed of in a biological waste water treatment plant. The acid should **NOT** be flushed without neutralization.

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

Revision	No. 4	Date	10/6/98	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	PROPIONIC ACID
Chemical Synonyms	Propanoic Acid; Methyl Acetic Acid
Formula	CH ₃ CH ₂ COOH
Unit Size	up to 4 Lt.
C.A.S. No.	79-09-4

2
2
0

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

NFPA
HAZARD RATING

LEAST SLIGHT MODERATE
0 1 2

Health
Fire
Reactivity

2
2
1

HMIS *

HIGH EXTREME
3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
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Propionic Acid	100%	See Section V.
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DANGER! CORROSIVE! CAUSES BURNS. COMBUSTIBLE.

HARMFUL IF SWALLOWED. VAPOR HARMFUL.

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezing -20.7°C (-5.26°F)	Specific Gravity (H ₂ O = 1)	0.9950 @ 20/20°C
Boiling Point (°F)	140.8°C (285.4°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	2.4 at 20°C	Evaporation Rate (Butyl Acetate =1)	0.24
Vapor Density (Air=1)	2.55		
Solubility in Water	Complete.		
Appearance & Odor	Colorless, oily liquid; pungent acid odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	134°F (57°C) TOC	Flammable Limits in Air % by Volume	Lower 2.9	Upper 12.1
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Extinguisher Media	Use water spray; carbon dioxide (CO ₂); dry chemical (ABC); "alcohol" foam.
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SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 132)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Combustible liquid. Soluble in water. Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials. Material may produce floating fire hazard in extreme fire conditions.

Autoignition Temperature: 512°C (955°F).

D.O.T. PROPIONIC ACID, 8, UN 1848, PG II

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