



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. EE 68
Effective Date June 10, 1998

SECTION V HEALTH HAZARD DATA

EE 68

Threshold Limited Value

TWA: 400 ppm; 1,400 mg/m³ (Air) (ACGIH 1992-93). TXDS: Oral-rat LD50: 11 g/Kg.; IRDS: Eye-human 400 ppm.

Effects of Overexposure

Ingestion may cause nausea, central nervous system depression, weakness, drowsiness, loss of consciousness. Inhalation may cause respiratory tract irritation. Contact with skin may cause irritation, dermatitis. Contact with eyes may cause irritation, redness, corneal injury.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. Administer oxygen and artificial respiration if necessary. Get medical attention. **SKIN:** Flush with water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of milk or water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid
		X	Slowly decomposed by moisture, then acquires an acid reaction. Excessive temperature and heat. Ignition sources.

Incompatibility (Materials to Avoid)	Alkali contamination, strong oxidizing materials, nitrates and acids, water.
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Hazardous Decomposition Products	Thermal decomposition or burning emits carbon dioxide and/or carbon monoxide.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Eliminate all sources of ignition. Very small spills, allow to evaporate using proper ventilation and protective clothing. Larger spills, absorb in vermiculite, sand, soil or other non-reactive absorbent material and place in a suitable container for disposal by incineration.
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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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Dispose of in an approved incinerator or contract with a licensed waste disposal service. Material may be recovered by distillation for reuse. Avoid discharge to sewers or natural waters.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	In the laboratory work in ventilation hood. A NIOSH/MSHA-approved self-contained breathing apparatus should be available for emergency use.
Ventilation	Local Exhaust Recommended. Special No.
	Mechanical (General) Recommended. Other Adequate to maintain below exposure limit.
Protective Gloves	Rubber.
Eye Protection	Chemical safety glasses.
Other Protective Equipment	Goggles, lab coat, apron, ventilation hood, proper gloves, eye wash station, fire extinguisher.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry, well-ventilated place away from strong oxidizing materials and fire hazards. 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. Keep away from heat, sparks and open flame. Keep container closed. Use with adequate ventilation. Avoid breathing vapor. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 5	Date	6/10/98	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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	ETHYL ACETATE
Chemical Synonyms	Ethyl Acetic Ester
Formula	CH ₃ COOC ₂ H ₅
Unit Size	up to 20 Lt.
C.A.S. No.	141-78-6

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1 0

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

NFPA
HAZARD RATING

LEAST SLIGHT MODERATE
0 1 2

Health
Fire
Reactivity

2
3
0

HMIS *
HIGH EXTREME

3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Ethyl Acetate	99%	See Section V.
WARNING! FLAMMABLE! HARMFUL		

IF INHALED OR SWALLOWED.

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezing point -84°C (-119°F)	Specific Gravity (H ₂ O = 1)	0.9018 at 20/20°C
Boiling Point (°F)	76-77.5°C (171°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	78 mm at 20°C	Evaporation Rate (Butyl Alc. =1)	7.5
Vapor Density (Air=1)	3		
Solubility in Water	8.08 @ 25°C		
Appearance & Odor	Colorless liquid; Fruity odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	30°F (-1°C) (CC)	Flammable Limits in Air % by Volume	Lower Upper
			2.2% 11%
Extinguisher Media	Carbon dioxide (CO ₂) or dry chemical (ABC) for small fires. Use alcohol foam or water fog for large fires.		

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Vapors form from this product and may travel or be moved by air currents and ignited by spark, flame, pilot lights.

Ignition Temperature: 800°F (426°C).

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 129)

UNUSUAL FIRE AND EXPLOSION HAZARDS

This material may produce a floating fire hazard. Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. Ethyl acetate, 3, UN 1173, PG II

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