



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. MM 146
Effective Date November 10, 1998

SECTION V HEALTH HAZARD DATA

MM 146

Threshold Limited Value

Toxicity data: Maleic Acid Anhydride orl-rat LD50: 3800 mg/kg.
Wool fat (Lanolin) is considered non-toxic (LD50: >64 cc/kg).

Effects of Overexposure

May be harmful if swallowed. May be irritating to eyes, skin and mucous membranes following prolonged contact. Local sensitization may occur. Material not likely to be toxic by ingestion due to trace amounts of Maleic Acid Hydrazide. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INGESTION: If swallowed, if conscious, give one or two glasses of water to drink. Induce vomiting and call physician immediately. Never give anything by mouth to an unconscious person. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **EYES:** Flush thoroughly for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation or redness develops, get medical attention. **INHALATION:** Remove to fresh air.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	Excessive temperature and heat.

Incompatibility (Materials to Avoid)	May react with strong oxidizers, alkali metals, strong bases, amines.
--------------------------------------	---

Hazardous Decomposition Products	Thermal decomposition or burning will produce carbon dioxide and/or carbon monoxide, smoke.
----------------------------------	---

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	Let solidify or absorb onto paper, sand, earth, vermiculite or other absorbent material and place in a suitable container for proper disposal.
---	--

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.
-----------------------	--

Base material is a natural product with trace amounts of growth hormone. Material may be disposed as an inert solid waste if local regulations allow. Alternate disposal method is incineration.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.			
Ventilation	Local Exhaust	None needed.	Special	No.
	Mechanical (General)	None needed.	Other	No.
Protective Gloves	Rubber if sensitive.		Eye Protection	Chemical safety glasses.

Other Protective Equipment	Lab coat, apron, eye wash station, proper gloves.
----------------------------	---

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from strong oxidizing agents, and away from open flames or other heat sources. Wash thoroughly after handling.
---	--

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

Avoid contact with eyes, skin and clothing. 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	11/10/98	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	MALEIC ACID HYDRAZIDE 0.5% IN PASTE (0.0025%)
Chemical Synonyms	1,2 Dihydro-3,6-Pyridazinedione
Formula	Mixture. See Section II.
Unit Size	up to 4 Lt.
C.A.S. No.	Mixture. See Section II.

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

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

Health	1
Fire	1
Reactivity	0

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Maleic Acid Hydrazide: (CAS No. 123-33-1)	0.0025%	None established.
Lanolin: (CAS No. 8006-54-0)	99%	None established.
Ethyl Alcohol: (CAS No. 64-17-5)	0.25%	1000 ppm, 1900 mg/m ³
Water: (CAS No. 7732-18-5)	0.25%	None established.

WARNING! MAY BE HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	38°-42°C (100°-107°F) (Paste)	Specific Gravity (H ₂ O = 1)	Less than 1.
Boiling Point (°F)	Decomposes at 175°C (347°F)	Percent Volatile by Volume (%)	None.
Vapor Pressure (mm Hg)	Negligible.	Evaporation Rate (=1)	None.
Vapor Density (Air=1)	No data.		
Solubility in Water	Wool fat is insoluble. Maleic Acid Hydrazide has low solubility in water.		
Appearance & Odor	Yellowish, tenacious semisolid fat; slight odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	237.7°C (460°F) CC	Flammable Limits in Air % by Volume	NA	Lower	Upper
				-----	-----
Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials. Avoid open flames or sparks, material is a moderate fire hazard.

Autoignition Temperature: 445°C (833°F)

D.O.T. NON-REGULATED.

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