



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. TT 66
Effective Date November 20, 1998

SECTION V HEALTH HAZARD DATA

TT 66

Threshold Limited Value

None known. RTECS No. ST4375000 Scu-mus LDLo 20 mg/kg.

Effects of Overexposure

May be harmful if swallowed, inhaled or in contact with skin or eyes.
May cause irritation. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give water to drink, induce vomiting and call physician. 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
	Stable	
	X	Excessive light and heat.

Incompatibility (Materials to Avoid)	Strong oxidizing agents, strong bases.
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Hazardous Decomposition Products	When heated to decomposition it emits toxic fumes of carbon dioxide, carbon monoxide, nitrous oxides and hydrochloric acid.
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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	Remove all ignition sources. Avoid raising dust. Ventilate area. Sweep up and place in a suitable container for proper disposal.
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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 equipped with an afterburner and scrubber or contract with a licensed waste disposal system.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)		Wear a NIOSH/MSHA approved respirator.			
Ventilation	Local Exhaust	Recommended.	Special	No.	
	Mechanical (General)	Recommended.	Other	No.	
Protective Gloves		Rubber.		Eye Protection	Chemical safety glasses.

Other Protective Equipment	Lab coat, apron, eye wash station, proper gloves, ventilation hood.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry dark place. Wash thoroughly after handling. Keep container tightly closed when not in use.
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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, eyes and clothing. Avoid inhalation. Use with adequate ventilation. Remove and wash contaminated clothing.

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

Revision	No. 2	Date	11/20/98	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	N,N,N'-N'-TETRAMETHYL-P-PHENYLENE
Chemical Synonyms	N,N,N'-N'-Tetramethyl-1,4-phenylene diamine dihydrochloride
Formula	C ₆ H ₄ [N(CH ₃) ₂] ₂ •2HCl
Unit Size	up to 25 grams
C.A.S. No.	637-01-4

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

NFPA
HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

HMIS *
Health 1
Fire 0
Reactivity 0

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
N,N,N'-N'-Tetramethyl-1,4-phenylene diamine dihydrochloride	99.3%	None established.

WARNING! MAY BE HARMFUL BY INHALATION, INGESTION OR

IN CONTACT WITH SKIN OR EYES. MAY CAUSE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	224°-228°C (435°-442°F)	Specific Gravity (H ₂ O = 1)	Not applicable.
Boiling Point (°F)	Not applicable.	Percent Volatile by Volume (%)	Not applicable.
Vapor Pressure (mm Hg)	Not applicable.	Evaporation Rate (=1)	Not applicable.
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	(1:10) clear, soluble.		
Appearance & Odor	White crystalline powder.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable.	Flammable Limits in Air % by Volume	NA	Lower	-----	Upper	-----
Extinguisher Media	Water spray; carbon dioxide; dry chemical powder alcohol or polymer foam.						

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

None known.

D.O.T. NON-REGULATED.

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