



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. DD 39
Effective Date June 28, 1999

SECTION V HEALTH HAZARD DATA

DD 39

Threshold Limited Value None established.

Effects of Overexposure
Low hazard for usual industrial handling. May cause skin and eye irritation. May cause gastrointestinal tract 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. Get immediate medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink and get immediate medical attention. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. Treat symptomatically and supportively. Get medical attention immediately.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Heat, sparks and flame.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizers.

Hazardous Decomposition Products Combustion will produce carbon monoxide and carbon dioxide.

Hazardous Polymerization		Conditions to Avoid	Not applicable.
May Occur	Will Not Occur		
	X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled
Remove all sources of ignition. Absorb material in vermiculite or other suitable absorbent and place in impervious container for proper disposal. Wash spill area with soap and water.

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 by incineration or contract with a licensed chemical waste disposal agency.

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	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.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing
Store away from heat and light. Wash thoroughly after handling. Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Remove and wash contaminated clothing.
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.
Peroxide former. After opening, purge container with nitrogen before reclosing. Periodically test for peroxide formation on long-term storage.

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

Revision No. 3	Date 6/28/99	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	2,5-DIMETHYL-2,4-HEXADIENE	 <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td>Health</td> <td>2</td> </tr> <tr> <td>Fire</td> <td>3</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	2	Fire	3	Reactivity	0
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
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Chemical Synonyms	Tetramethylbutadiene (DMHD)																	
Formula	C ₁₈ H ₁₄																	
Unit Size	up to 180 Kg.																	
C.A.S. No.	764-13-6																	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
2,5-Dimethyl-2,4-hexadiene	~100%	None established.

WARNING! FLAMMABLE! MAY CAUSE IRRITATION TO SKIN AND EYES. KEEP AWAY FROM HEAT, SPARKS AND FLAME.

SECTION III PHYSICAL DATA

Melting Point (°F)	12°C (53.6°F)	Specific Gravity (H ₂ O = 1)	0.760
Boiling Point (°F)	134°C (273°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	7.2 @ 20°C (68°F)	Evaporation Rate (Butyl Acetate =1)	N/A
Vapor Density (Air=1)	3.8		
Solubility in Water	Negligible.		
Appearance & Odor	Colorless liquid; strong oily odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	24°C (75°F) TCC	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media Water spray; dry chemical; carbon dioxide (CO₂).

SPECIAL FIREFIGHTING PROCEDURES
Wear self-contained breathing apparatus and protective clothing. **USE WATER WITH CAUTION.** Since this material is lighter than water and insoluble in water, the fire could easily be spread by the use of water in an area where the water could not be contained. Water may be ineffective in fighting fires. Use water spray to keep fire exposed containers cool.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 128)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Can form explosive peroxides. Vapors are heavier than air and may travel along the ground or may be moved by ventilation to an ignition source and flash back.

D.O.T. **FLAMMABLE LIQUIDS, N.O.S., (2,5-DIMETHYL-2,4-HEXADIENE), 3, UN 1993, PG III**

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