



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(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	Stable	Conditions to Avoid
		X	Heat, sparks and flame.

Incompatibility (Materials to Avoid)	Strong oxidizers.
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Hazardous Decomposition Products	Combustion will produce carbon monoxide and carbon dioxide.
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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	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.
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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 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.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Lab coat, apron, eye wash station, proper gloves.
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## 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.
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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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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
Chemical Synonyms	Tetramethylbutadiene (DMHD)
Formula	C <sub>18</sub> H <sub>14</sub>
Unit Size	up to 180 Kg.
C.A.S. No.	764-13-6

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

NFPA  
HAZARD RATING  
LEAST SLIGHT MODERATE  
0 1 2

Health 2  
Fire 3  
Reactivity 0

HMIS \*  
HIGH EXTREME  
3 4

## 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 <sub>2</sub> 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
Extinguisher Media	Water spray; dry chemical; carbon dioxide (CO <sub>2</sub> ).				

### 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