



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. IX 240
Effective Date January 16, 1998

SECTION V HEALTH HAZARD DATA

IX 240

Threshold Limited Value

ACGIH (1992-93) none established.

Effects of Overexposure

EYES: Contact may cause slight irritation. **SKIN:** Prolonged contact may cause skin irritation. **INGESTION:** If very large quantities are swallowed, it may cause diarrhea, respiratory depression, tremors, and chronic pulmonary edema or congestion and hemorrhage. **INHALATION:** Exposure can cause irritation of nasal and respiratory passages.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water for 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **SKIN:** Flush thoroughly with soap and water. If irritation occurs, get medical attention. **INGESTION:** If conscious, give 2-4 glasses of water or milk to drink and induce vomiting. Call physician or Poison Control Center immediately. 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

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| Stability | Unstable | | Conditions to Avoid | Excessive temperature and heat to cause evaporation. |
| | Stable | X | | |

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| Incompatibility (Materials to Avoid) | Oxidizing agents, strong acids. |
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| Hazardous Decomposition Products | May produce hazardous decomposition products of Carbon monoxide and Carbon dioxide. |
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| Hazardous Polymerization | Conditions to Avoid | | Not Applicable. |
| | May Occur | Will Not Occur | |
| | | X | |

SECTION VII SPILL OR LEAK PROCEDURES

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| Steps to be taken in case material is released or spilled | Provide ventilation and remove any source of heat or flame. Recover for use if not contaminated. Sweep up spilled material with a minimum of dusting or vacuum with a filtered outlet vacuuming system. Place in suitable 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 of in an approved chemical landfill or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

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| Respiration Protection (Specify Type) | If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA approved dust/mist respirator. | | |
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| Ventilation | Local Exhaust | Recommended | Special | No |
| | Mechanical (General) | None required | Other | No |

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| Protective Gloves | Rubber | Eye Protection | Chemical Safety Glasses |
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| Other Protective Equipment | Apron, lab coat, chemical safety goggles, eye wash station, ventilation hood. |
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SECTION IX SPECIAL PRECAUTIONS

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| Precautions to be Taken in Handling & Storing | Store in a cool, dry area away from oxidizing agents or strong acids. 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. |
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Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Remove and wash contaminated clothing.

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

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| Revision | 1 | Date | 1/16/98 | Approved | Michael Raszeja | Chemical Safety Coordinator | MR |
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The information contained herein is furnished without warranty of any kind. Employees 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

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|-------------------|-------------------------------------|--|----------|--------|----------|------|---------|---|---|---|---|---|--------|---|------|---|------------|---|
| Product | DI-TERT-BUTYL 4 METHYLPHENOL |  <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>1</td> </tr> <tr> <td>Fire</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> </table> | LEAST | SLIGHT | MODERATE | HIGH | EXTREME | 0 | 1 | 2 | 3 | 4 | Health | 1 | Fire | 0 | Reactivity | 1 |
| LEAST | SLIGHT | | MODERATE | HIGH | EXTREME | | | | | | | | | | | | | |
| 0 | 1 | | 2 | 3 | 4 | | | | | | | | | | | | | |
| Health | 1 | | | | | | | | | | | | | | | | | |
| Fire | 0 | | | | | | | | | | | | | | | | | |
| Reactivity | 1 | | | | | | | | | | | | | | | | | |
| Chemical Synonyms | BHT, 4-Methyl-2,6-di-t-butyl-phenol | | | | | | | | | | | | | | | | | |
| Formula | C ₁₅ H ₂₄ O | | | | | | | | | | | | | | | | | |
| Unit Size | up to 180 Kg | | | | | | | | | | | | | | | | | |
| C.A.S. No. | 128-37-0 | | | | | | | | | | | | | | | | | |

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
|------------------------------|------|--------------------------|
| Di-tert-butyl 4 methylphenol | 100% | PEL: 10mg/m ³ |

CAUTION! MAY BE HARMFUL IF SWALLOWED OR INHALED.

MAY CAUSE SKIN, EYE AND RESPIRATORY TRACT IRRITATION.

SECTION III PHYSICAL DATA

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| Melting Point (°F) | 69.44°C (157°F) | Specific Gravity (H ₂ O = 1) | 0.899 |
| Boiling Point (°F) | 265°C (509°F) | Percent Volatile by Volume (%) | N/A |
| Vapor Pressure (mm Hg) | N/A | Evaporation Rate (=1) | N/A |
| Vapor Density (Air=1) | 7.6 | | |
| Solubility in Water | Insoluble | | |
| Appearance & Odor | White granular; faint odor. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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| Flash Point (Method Used) | >126.67°C (>260°F) | Flammable Limits in Air % by Volume | N/A | Lower | Upper |
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| Extinguisher Media | Foam, Carbon dioxide, Dry chemical, Water. |
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SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Contact with strong oxidizers may cause fire. Closed containers may explode due to pressure build up when exposed to extreme heat.

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| D.O.T. | Non-Regulated. |
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-20