



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. IX 225
Effective Date March 16, 1999

SECTION V HEALTH HAZARD DATA

IX 225

Threshold Limited Value

RTECS No. EL5425000 Toxicity data: Ori-rat LD50 1300 mg/kg, lhl-hmn TCLo 150 ppm.
TWA: 100 ppm; 360 mg/m³ (AIR). STEL 125 ppm; 450 mg/m³ (AIR). (ACGIH 1992-93).

Effects of Overexposure

TARGET ORGANS AFFECTED: Respiratory tract. **INHALATION:** Low vapor concentrations causes upper respiratory tract irritation. Prolonged exposure to high concentration may cause nausea, vomiting, headache, dizziness and unconsciousness. **EYES:** Causes irritation. **SKIN:** Prolonged or repeated contact may result in skin irritation. **INGESTION:** Classified as moderately to very toxic. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
EYES: Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get 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, induce vomiting. Call a physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

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|-----------|----------|---|---------------------|-----------------------------------------------|
| Stability | Unstable | | Conditions to Avoid | Excessive temperature, heat, sparks or flame. |
| | Stable | X | | |

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| Incompatibility (Materials to Avoid) | Strong oxidizers, reducing materials. |
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| Hazardous Decomposition Products | Thermal decomposition or burning may produce carbon monoxide and/or 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 | Remove all sources of ignition. Wearing suitable protective clothing, absorb spilled material on vermiculite, sand, earth. Place in a suitable container for incineration. Wash spill area well 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. Dispose of in an approved incinerator or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

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| Respiration Protection (Specify Type) | None needed in normal laboratory use at room temperature or work in ventilation hood. If needed, wear a NIOSH/MSHA-approved respirator. |
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| Ventilation | Local Exhaust | Recommended. | Special | No. |
| | Mechanical (General) | Recommended. | Other | Adequate to maintain below exposure limit. |

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| Protective Gloves | Rubber. | Eye Protection | Chemical safety glasses. |
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| Other Protective Equipment | Smock, apron, eye wash station, goggles, proper gloves, ventilation hood, fire extinguisher. |
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SECTION IX SPECIAL PRECAUTIONS

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| Precautions to be Taken in Handling & Storing | Store in a cool, dry place away from oxidizing agents and fire hazards. 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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Do not inhale or ingest. Use with adequate ventilation. Wash contaminated clothing before reuse. Discard contaminated shoes.

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

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| Revision No. 4 | Date 3/16/99 | 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 | ISOAMYL ALCOHOL | <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>2</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> </table> | LEAST | SLIGHT | MODERATE | HIGH | EXTREME | 0 | 1 | 2 | 3 | 4 | Health | 2 | Fire | 2 | Reactivity | 1 |
| LEAST | SLIGHT | | MODERATE | HIGH | EXTREME | | | | | | | | | | | | | |
| 0 | 1 | | 2 | 3 | 4 | | | | | | | | | | | | | |
| Health | 2 | | | | | | | | | | | | | | | | | |
| Fire | 2 | | | | | | | | | | | | | | | | | |
| Reactivity | 1 | | | | | | | | | | | | | | | | | |
| Chemical Synonyms | Isopentyl Alcohol, 3-Methyl-1-Butanol | | | | | | | | | | | | | | | | | |
| Formula | (CH ₃) ₂ CHCH ₂ CH ₂ OH | | | | | | | | | | | | | | | | | |
| Unit Size | up to 3.785 Lt. | | | | | | | | | | | | | | | | | |
| C.A.S. No. | 123-51-3 | | | | | | | | | | | | | | | | | |

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
|------------------------|-------|----------------|
| Isoamyl Alcohol | > 98% | See Section V. |

WARNING! FLAMMABLE! HARMFUL

IF INHALED OR SWALLOWED.

SECTION III PHYSICAL DATA

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|------------------------|----------------------------------------|-----------------------------------------|-----------------|
| Melting Point (°F) | Freezes at -118°C (-180°F) | Specific Gravity (H ₂ O = 1) | 0.813 - 0.816 |
| Boiling Point (°F) | 133°C (271°F) | Percent Volatile by Volume (%) | 100% |
| Vapor Pressure (mm Hg) | 2 at 20°C | Evaporation Rate (Ether = 1) | Greater than 1. |
| Vapor Density (Air=1) | > 1 | | |
| Solubility in Water | 24 g/L @ 20°C | | |
| Appearance & Odor | Colorless liquid; characteristic odor. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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| Flash Point (Method Used) | 44°C (111°F) (cc) | Flammable Limits in Air % by Volume | Lower | Upper |
| | | | 1.2% | 9% |

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| Extinguisher Media | Carbon dioxide (CO ₂); dry chemical (ABC); water spray; foam. |
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SPECIAL FIREFIGHTING PROCEDURES

Wear NIOSH/MSHA-approved self-contained breathing apparatus. Water spray may be used to flush spills away from exposures and to dilute spills to non-flammable mixtures.

Autoignition Temperature: 365°C (689°F)

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 129)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials. Moderate fire hazard when exposed to heat or flame. Vapors are heavier than air and may travel a considerable distance to a source of ignition and flash back.

D.O.T. AMYL ALCOHOLS, 3, UN 1105, PG II

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