



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

221 Rochester Street
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(585) 226-6177

MSDS No.: AA0025
Effective Date: January 1, 2007

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

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|--------------------------|---------------------------------------|
| Product | Acetone |
| Chemical Synonyms | 2-Propanone; Dimethyl Ketone; Solvent |
| Formula | CH ₃ COCH ₃ |
| Unit Size | Up to 20 Liters. |
| C.A.S. No. | 67-64-1 |

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|---|--|---|--------|---|------|---|------------|---|
| NFPA HAZARD RATING MINIMAL SLIGHT MODERATE SERIOUS SEVERE 0 1 2 3 4 | CHEMTREC 800-424-9300 Day 585-226-6177 | <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> | Health | 2 | Fire | 3 | Reactivity | 0 |
| | Health | 2 | | | | | | |
| Fire | 3 | | | | | | | |
| Reactivity | 0 | | | | | | | |
| | | HMIS* | | | | | | |

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
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| Acetone | 100% | TWA: 500 ppm |
| DANGER! EXTREMELY FLAMMABLE! | | |
| CAUSES EYE AND SKIN IRRITATION. | | |

SECTION III PHYSICAL DATA

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| Melting Point (°F) | -95°C (-139°F) | Specific Gravity (H ₂ O = 1) | 0.7899 @ 60°F |
| Boiling Point (°F) | 56°C (133°F) | Percent Volatile by Volume (%) | 100% |
| Vapor Pressure (mm Hg) | 180 | Evaporation Rate (Butyl acetate =1) | >6.0 |
| Vapor Density (Air=1) | 2.00 | | |
| Solubility in Water | Completely miscible. | | |
| Appearance & Odor | Colorless liquid, pungent odor. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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| Flash Point (Method Used) | - 20°C (-4°F) CC | Flammable Limits in Air % by Volume | Lower 2.5% | Upper 13% |
| Extinguisher Media | Carbon dioxide; dry chemical; water spray; alcohol foam. | | | |

SPECIAL FIREFIGHTING PROCEDURES

Water should be used to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure and to dilute spills to non-flammable mixtures. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

(2004 EMERGENCY RESPONSE GUIDEBOOK, RSPA P 5800.9, GUIDE PAGE NO. 127)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Acetone is extremely flammable and its vapors form explosive mixtures with air. Dangerous when exposed to heat, sparks, flame or strong oxidizing agents.

Autoignition Temperature: 465°C (869°F).

D.O.T. Acetone, 3, UN1090, PG II, Ltd Qty ≤ 1 Lt.

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

SECTION V HEALTH HAZARD DATA AA0025

Threshold Limited Value

TWA: 500 ppm; STEL: 750 ppm (ACGIH 2001).

Effects of Overexposure

INHALATION: Vapors are irritating to eyes, nose and throat. High vapor concentrations may result in headache, dizziness and nausea. **SKIN:** Repeated contact causes defatting and chapping and drying of skin. **EYES:** Causes severe irritation, redness and swelling. **INGESTION:** Slightly toxic, causes nausea, vomiting, headache, dizziness and unconsciousness. Aspiration hazard. Repeated or prolonged exposure may cause liver and kidney damage. Target organs: Central nervous system.

Emergency and First Aid Procedures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **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 temperatures, heat, sparks, open flame and other sources of ignition. |
| | Stable | X | | |

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| Incompatibility (Materials to Avoid) | Chloroform, chromic anhydride, hydrogen peroxide, nitric compounds, acids, strong oxidizers. |
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| Hazardous Decomposition Products | Oxides of carbon. |
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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

Eliminate all sources of ignition. Ventilate area. Absorb with an inert dry material, carefully sweep up and place in an appropriate 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 incinerator or contract with a licensed chemical waste disposal agency.

SECTION VIII SPECIAL PROTECTION INFORMATION

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| Respiration Protection (Specify Type) | Work in fume hood or wear a NIOSH/MSHA-approved all purpose canister mask. | | | |
| 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 goggles. |
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| Other Protective Equipment | Faceshield, lab coat, vented hood, proper gloves, fire extinguisher, eye wash station. |
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SECTION IX SPECIAL PRECAUTIONS

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| Precautions to be Taken in Handling & Storing | Keep away from heat, sparks and flame. Store in a cool, dry, well-ventilated area. Use only with adequate ventilation. Wash thoroughly after handling. |
| <small>Keep container tightly closed when not in use.</small> | |

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| Other Precautions | Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. |
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Avoid contact with eyes. Avoid prolonged or repeated breathing of vapor. Avoid prolonged or repeated contact with skin. Remove and wash contaminated clothing.

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| Revision No. 16 | Date 01/01/07 | Approved James A. Bertsch | Chemical Safety Coordinator JAB |
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