



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. AA 18
Effective Date January 11, 1999

SECTION V HEALTH HAZARD DATA

AA 18

Threshold Limited Value

None listed (ACGIH 1992-93). LD₅₀ rats oral 800 mg/Kg.

Effects of Overexposure

EYES: Irritant. **SKIN:** May cause eczematous dermatitis or irritation to persons sensitive to this material. **SKIN ABSORPTION:** Negligible. **INHALATION:** Avoid. Fumes may irritate respiratory system. Acute inhalation threat is slight, but chronic hazard is moderate. Can cause methemoglobinemia, cyanosis. Irritation and discomfort in the respiratory system. May cause edema of the lungs. **INGESTION:** May cause nausea, vomiting, sweating, gastric irritation, chills, hypotension, convulsions and shock.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If discomfort or illness develop, get medical attention. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. If irritation develops, get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink and induce vomiting. Call 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 and heat. Handling as a molten material in open containers. |
| | Stable | X | | |

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| Incompatibility (Materials to Avoid) | Oxidizers and alkalis. |
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| Hazardous Decomposition Products | Dangerous; when heated to decomposition, it may emit highly toxic fumes of NO _x and carbon oxides. |
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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 | Wearing proper safety equipment and having good ventilation, collect spill and put into a suitable container for proper disposal. Scrub area with a soap and water solution. |
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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 accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

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| Respiration Protection (Specify Type) | Work in ventilation hood. If necessary wear a NIOSH/MSHA-approved dust mask. |
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| Ventilation | Local Exhaust | Recommended. | Special | No. |
| | Mechanical (General) | Recommended. | Other | No. |

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

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| Precautions to be Taken in Handling & Storing | Avoid contact with skin. Store in a cool, dry place, away from oxidizing and alkaline materials. 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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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 No. 5 | Date 1/11/99 | Approved Michael Raszeja | Chemical Safety Coordinator | MR |
|----------------|--------------|--------------------------|-----------------------------|----|

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

| | | | | | | | | | | | | | | | | | | |
|-------------------|---|--|----------|--------|----------|------|---------|---|---|---|---|---|--------|---|------|---|------------|---|
| Product | ACETANILIDE |  <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>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table> | LEAST | SLIGHT | MODERATE | HIGH | EXTREME | 0 | 1 | 2 | 3 | 4 | Health | 1 | Fire | 1 | Reactivity | 0 |
| LEAST | SLIGHT | | MODERATE | HIGH | EXTREME | | | | | | | | | | | | | |
| 0 | 1 | | 2 | 3 | 4 | | | | | | | | | | | | | |
| Health | 1 | | | | | | | | | | | | | | | | | |
| Fire | 1 | | | | | | | | | | | | | | | | | |
| Reactivity | 0 | | | | | | | | | | | | | | | | | |
| Chemical Synonyms | Ethanamide, N-Phenylacetamide | | | | | | | | | | | | | | | | | |
| Formula | CH ₃ CONHC ₆ H ₅ | | | | | | | | | | | | | | | | | |
| Unit Size | up to 2.5 Kg. | | | | | | | | | | | | | | | | | |
| C.A.S. No. | 103-84-4 | | | | | | | | | | | | | | | | | |

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
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| Acetanilide | 100% | None established. |

WARNING! MAY BE HARMFUL IF INHALED

OR SWALLOWED. SKIN IRRITANT.

SECTION III PHYSICAL DATA

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| Melting Point (°F) | 113-115°C (237-239°F) | Specific Gravity (H ₂ O = 1) | 1.2 |
| Boiling Point (°F) | 304°C (579.2°F) | Percent Volatile by Volume (%) | N/A |
| Vapor Pressure (mm Hg) | 1 mm @ 114°C | Evaporation Rate (=1) | N/A |
| Vapor Density (Air=1) | 4.65 | | |
| Solubility in Water | Slightly. | | |
| Appearance & Odor | Gray to white crystal, powder or flake; slight acetic acid odor. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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| Flash Point (Method Used) | 173°C (345°F) (oc) | Flammable Limits in Air % by Volume | N/A | Lower | Upper |
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| Extinguisher Media | Carbon dioxide; dry chemical; foam; water spray. |
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SPECIAL FIREFIGHTING PROCEDURES

Fumes from hot liquid can cause respiratory discomfort and/or damage. Wear a NIOSH/MSHA-approved, self-contained breathing apparatus and full protective clothing.

Autoignition Temperature: 985 ± 10°F (530°C).

UNUSUAL FIRE AND EXPLOSION HAZARDS

May be a moderate fire hazard when exposed to heat or flame; may react vigorously with strong oxidizing materials.

D.O.T. NON-REGULATED.

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