



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. SS 230
Effective Date April 29, 1999

SECTION V HEALTH HAZARD DATA

SS 230

Threshold Limited Value None established ACGIH 1992-93. Toxicity Data: 500 mg/24 hours Skin Rabbit mild irritation; 10 mg Eye-Rabbit mild irritant; 3530 mg/kg Oral-Rat LD50.

Effects of Overexposure **INHALATION:** Dust may cause irritation with coughing and shortness of breath. **SKIN:** May cause irritation after acute exposure. **EYES:** Contact may cause mild irritation. **INGESTION:** Acute ingestion may cause abdominal pain and vomiting. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. If discomfort or illness develops, get medical attention. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for 15 minutes, lifting upper and lower eyelids occasionally. 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

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

Incompatibility (Materials to Avoid) Strong oxidants, particularly Potassium Nitrate, Nitric acid.

Hazardous Decomposition Products We have no data on this product, but would expect acetic acid at high temperatures and at higher, carbon dioxide and carbon monoxide.

| | | | |
|---------------------------------|----------------------------|-----------------------|-----------------|
| Hazardous Polymerization | Conditions to Avoid | | Not applicable. |
| | May Occur | Will Not Occur | |
| | | X | |

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Recover for use if not contaminated. Wear protective safety equipment and use adequate ventilation. Avoid making dust. Sweep up and place in a suitable container for disposal. Wash spill area with soap and water.

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.
Dissolve in water and flush to sewer with copious amounts of water or dispose of in an approved incinerator.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be needed in normal laboratory use. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask or work in a ventilation hood.

| | | | | |
|--------------------|-----------------------------|--------------|----------------|-----|
| Ventilation | Local Exhaust | Recommended. | Special | No. |
| | Mechanical (General) | Recommended. | Other | No. |

Protective Gloves Rubber. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Goggles, smock, apron, ventilation hood, proper gloves, and eye wash station.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Hygroscopic. Store in a cool, dry place away from strong oxidizing materials. Wash thoroughly after handling.
Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Avoid contact with skin and eyes. Use with adequate ventilation. Remove and wash contaminated clothing.

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

| | | | |
|-----------------------|---------------------|---------------------------------|---------------------------------------|
| Revision No. 5 | Date 4/29/99 | Approved Michael Raszeja | Chemical Safety Coordinator MR |
|-----------------------|---------------------|---------------------------------|---------------------------------------|

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 | SODIUM ACETATE, ANHYDROUS | CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 0 1 2 3 4 |
| Chemical Synonyms | Sodium Acetate, Anhydrous | |
| Formula | NaC ₂ H ₃ O ₂ | |
| Unit Size | up to 2.5 Kg. | |
| C.A.S. No. | 127-09-3 | |

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
|---------------------------|------|----------------|
| Sodium Acetate, Anhydrous | 100% | See Section V. |

CAUTION! CONTACT CAUSES IRRITATION TO

SKIN, EYES AND MUCOUS MEMBRANES.

SECTION III PHYSICAL DATA

| | | | |
|-------------------------------|--|--|----------------------|
| Melting Point (°F) | 324°C (615°F) | Specific Gravity (H₂O = 1) | 1.528 |
| Boiling Point (°F) | Decomposes. | Percent Volatile by Volume (%) | Negligible as solid. |
| Vapor Pressure (mm Hg) | Negligible as solid. | Evaporation Rate (=1) | N/A |
| Vapor Density (Air=1) | None listed. | | |
| Solubility in Water | Very soluble in water; 119 grams/100 mL. at 0°C. | | |
| Appearance & Odor | White crystalline powder with slight acetic acid odor. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

| | | | | |
|----------------------------------|---------------------|--|-------|-------|
| Flash Point (Method Used) | Non-volatile solid. | Flammable Limits in Air % by Volume | Lower | Upper |
| | | Unknown | | |

Extinguisher Media Water spray; dry chemical (ABC); carbon dioxide (CO₂); standard foam.

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Auto-ignition temperature: 611°C (1132°F)

UNUSUAL FIRE AND EXPLOSION HAZARDS

May leave a caustic residue of sodium oxide, which may burn eyes, skin, clothing, fire hose, etc. Also damaging to electrical equipment. Can react vigorously with oxidizing materials. Avoid dispersion of dust to reduce potential explosion hazard.

D.O.T. NON-REGULATED.

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