



MATERIAL SAFETY DATA SHEET

ALUDE™

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Please read the entire document. This Material Safety Data Sheet contains important environmental, health and toxicology information for your employees, and anyone who will use, transport, store, dispose of or handle this product. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information contained herein must be incorporated in your MSDS.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ALUDE Systemic Fungicide
CLEARY PRODUCT CODE: 4420
EPA REGISTRATION NUMBER(S): 71962-1-1001
CHEMICAL NAME: Mono- and di-potassium salts of Phosphorous Acid

<u>COMPANY</u>	<u>EMERGENCY TELEPHONE NUMBERS</u>		
Cleary Chemical 178 Ridge Road, Suite A Dayton, New Jersey 08810	<table border="1"> <tr> <td>CLEARY CHEMICAL CORP. M-F 9-5 EST (800) 524-1662 OR (732) 329-8399</td> <td>PROSAR: (800) 324-7598 CHEMTREC 24 HOUR: (800) 424-9300</td> </tr> </table>	CLEARY CHEMICAL CORP. M-F 9-5 EST (800) 524-1662 OR (732) 329-8399	PROSAR: (800) 324-7598 CHEMTREC 24 HOUR: (800) 424-9300
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SECTION 2: INFORMATION ON INGREDIENTS

Active Ingredient(s)/ Hazardous Inert Ingredient(s)	% by Wt.	CAS#	ACGIH TLV	OSHA PEL
Monopotassium phosphite and Dipotassium phosphite	45.8	13977-65-6 13492-26-7	NA NA	NA NA

NOT CLASSIFIED AS HAZARDOUS

SECTION 3: HEALTH HAZARD INFORMATION

Acute Health Hazards

Swallowed: Ingestions may cause diarrhea, nausea, vomiting and cramps
Eye: A mild irritant to eyes
Skin: Mildly irritating to skin
Inhaled: Nil
NFPA: Health=0, Fire=0, Reactivity=0
HMIS: Health=0, Fire=0, Reactivity=0

SECTION 4: FIRST AID MEASURES

Swallowed: Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by medical professionals. Do not give anything by mouth to an unconscious person.

Eye: Hold eyelids open and rinse with plenty of water for at least 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. Contact a Doctor or poison control center for further treatment advice.

Skin: Rinse with plenty of water for 15 minutes. Contact a Doctor or poison control center for further treatment advice.

SECTION 5: FIRE AND EXPLOSION INFORMATION

Flammability: Not flammable

Combustion: Not combustible

Flash Point & Method: NA

Flammability Limits: NA

Special Fire Fighting Procedures: Some gases such as phosphorous oxides may be released. In smoke or fumes, wear self-contained breathing apparatus. Advise fire brigade of any hazard, suitable for more extinguishing media.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Stop leak if possible. Contain product with an inert diking material such as clay or kitty litter. Reclaim as much liquid as possible. Vacuum or shovel up as much absorbent as possible. Place reclaimed product in a closed and properly labeled waste drum. Store drum until proper disposal can occur. Flush residue with water. Wash thoroughly after handling.

SECTION 7: HANDLING AND STORAGE

Store away from combustible materials. Store in a temperature controlled, dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Avoid unnecessary contact with product and remove all contaminated clothing. Wash hands and face before eating. Pesticide Applicators, Mixers, and Loaders must refer to the product label and directions for use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue, odorless liquid
Boiling Point:	> 212°F
Vapor Pressure:	Not determined
pH:	5.5-6.0
Melting Point:	NA
Freezing Point:	> 8°F
Specific Gravity:	1.35

SECTION 10: STABILITY AND REACTIVITY

General: This material is stable under normal conditions.

Incompatible Materials: Avoid contact with strong bases, strong oxidizing agents and metals. Product is corrosive to most.

Hazardous Decomposition: Some gases such as phosphorous oxides may be released.

Hazardous Polymerization: Material is not known to polymerize.

SECTION 11: TOXICOLOGICAL INFORMATION

EPA Class 4, Caution

Acute Inhalation: Not determined

Eye Irritation: Mild eye irritant

Skin Irritation: Mild skin irritant

Acute Dermal: > 5000 mg/Kg (rat)

Acute Oral: > 5000 mg/Kg (rat)

SECTION 12: ECOLOGICAL INFORMATION

Not classified as Hazardous

SECTION 13: DISPOSAL CONSIDERATIONS

Triple rinse empty container with water and add to spray mix. Dispose of container following appropriate Federal, State and local regulations.

SECTION 14: TRANSPORTATION INFORMATION

Not DOT regulated

SECTION 15: REGULATORY INFORMATION

Not regulated under US EPA SARA Title 3, Sec. 302, 311, 312, or 313

Not Regulated under California Prop 65

SECTION 16: OTHER INFORMATION

Please note: Cleary Chemical Corp. believes that the information and recommendations contained herein are accurate as of the date hereof. The information provided herein applies only to the specific product designated and may not be valid where said product is used in combination with any other material or in any process. It is the users responsibility to determine the suitability of the information for their purposes. No warranty of fitness for any particular purpose, warranty of merchantability, or any other warranty, expresser or implied, is made concerning the information provid

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Prepared by:	R. Fletcher
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