

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION						
NFPA Rating: Health-1; Flammability-0; Reactivity-0; Special- - Distributor's Name: K-CHEM, INC. Address: 3908 3rd Avenue South Birmingham, AL 35222			HMIS Rating: Health-1; Flammability-0; Reactivity-0; Personal Protection-B DOT Hazard Classification: Corrosive NOS, 8 Identity (trade name as used on label): <b style="text-align: center;">MISTY CLEAR-PYNE			
Date Prepared: 05/03/93 Prepared By: ES Information Calls: (205) 592-0844 EMERGENCY RESPONSE NUMBER: 1(800)255-3924			MSDS Number: R227-4 Revision - 7 NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA			
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE		68391-01-5	No	N/E	N/E	d
TERPENE ALCOHOLS		8002-09-3	No	N/E	N/E	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 100°C			Specific Gravity (H2O=1): 1			
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/D			
Vapor Density (Air = 1): N/D			Evaporation Rate (water = 1): 1			
Solubility in Water: Miscible			Water Reactive: No			
Appearance and Odor: Clear, light yellow, non-viscous liquid with pine fragrance.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A		Auto Ignition Temperature N/A		Flammability Limits in Air by % in Volume: % LEL: N/A % UEL: N/A		
FLASH POINT AND METHOD USED (non-aerosols): Non-combustible(water based).			EXTINGUISHER MEDIA: Non-combustible. Use media applicable to surrounding fire.			
SPECIAL FIRE FIGHTING PROCEDURES: Non-combustible. Use procedures applicable to surrounding fire.						
Unusual Fire & Explosion Hazards: When heated to decomposition in a fire, product may liberate noxious and/or toxic fumes. See Section #4.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY [X] STABLE [] UNSTABLE			HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR			
Incompatibility (Mat. to avoid): Aluminum metal, anionic surfactants, anything reactive to water.			Conditions to Avoid: High temperatures.			
Hazardous Decomposition Products: Oxides of carbon and nitrogen, unidentified organic compounds.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: [] INHALATION [X] INGESTION [X] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS						
ACUTE EFFECTS						
Inhalation: Inhalation of spray or mist may cause irritation of respiratory tract tissues.						
Eye Contact: Moderate to severe irritation, depending on quantity & duration of contact.			Skin Contact: Prolonged or repeated contact may cause irritation.			
Ingestion: Moderate to severe irritation of gastrointestinal tract tissues. Toxic effects unlikely.						
CHRONIC EFFECTS: None known.						
Medical Conditions Generally Aggravated by Exposure: Contact may aggravate pre-existing irritation.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with water for 15 minutes. If irritation persists, get medical attention.						
Skin Contact: Remove contaminated clothing. Wash with soap and water. If irritation persists, get medical attention.						
Inhalation: Remove to fresh air. If necessary seek medical attention.						
Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water or large quantity of milk, egg whites or gelatin solution. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): None needed under normal conditions of handling and usage.						
Protective Gloves: Rubber			Eye Protection: Safety glasses or chemical goggles.			
Ventilation Requirements: Special ventilation is not needed under normal conditions of handling and usage.						
Other Protective Clothing & Equipment: Eyewash station and safety shower.						
Hygienic Work Practices: Do not eat, drink or smoke in work area. Wash hands after handling.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: Do not allow large spills to contaminate sewers, ground or surface waters. Contain spill. Soak up in inert absorbent material. Place in leak-proof containers. Seal & label properly. Dispose of in a lawful manner.						
Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations.						
Precautions To Be Taken In Handling & Storage: Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Protect from extreme heat and cold.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.						

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

THIS MSDS IS CURRENT AS OF September 5, 2001. The DATE PREPARED section is the original date assembled and remains current until a change is necessary. This is tracked internally at the manufacturer by these date codes and therefore must remain as the originating date.