

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-2; Flammability-0; Reactivity-0; Special- -			HMIS Rating: Health-2, Flammability-0; Reactivity-0; Personal Protection-B			
Manufacturer's Name: AMREP, INC. Address: 990 Industrial Park Drive Marietta, GA 30062			DOT Hazard Classification: Corrosive Material, 8 Identity (trade name as used on label): MISTY BIODET ND64			
Date Prepared: 15 March 1996 Prepared By: RC/IB		MSDS Number: B00272 Revision - 1				
Information Calls: (770)422-2071 EMERGENCY RESPONSE NUMBER: 1(800)255-3924			NOTICE: JUDGEMENT 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 (C ₁₂ -C ₁₆)		68424-85-1	No	N/E	N/E	d
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE		68424-95-3	No	N/E	N/E	d
DIOCTYL DIMETHYL AMMONIUM CHLORIDE		5538-94-3	No	N/E	N/E	d
DECYL DIMETHYL AMMONIUM CHLORIDE		7173-51-5	No	N/E	N/E	d
ETHYL ALCOHOL		64-17-5	No	1000	1000	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 212°F			Specific Gravity (H ₂ O=1): 1.00			
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/E			
Vapor Density (Air = 1): N/E			Evaporation Rate (water = 1): 1			
Solubility in Water: Miscible			Water Reactive: No			
Appearance and Odor: Yellow liquid with Lemon 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): None, water based.			SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear NIOSH approved supplied atmosphere breathing apparatus.			
EXTINGUISHER MEDIA: Water, dry chemical, foam, carbon dioxide.			Unusual Fire & Explosion Hazards: Decomposition & oxidatious products in a fire can liberate noxious & toxic fumes.			
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY [X] STABLE [] UNSTABLE			HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR			
Incompatibility (Mat. to avoid): Aluminum, metal, anionics & acids.			Conditions to Avoid: None known.			
Hazardous Decomposition Products: Oxides of carbon, ammonia, oxides of nitrogen.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: [] INHALATION [X] INGESTION [] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS						
ACUTE EFFECTS						
Inhalation: Should not cause respiratory irritation.						
Eye Contact: May cause severe eye irritation.			Skin Contact: May cause irritation.			
Ingestion: Harmful if swallowed.						
CHRONIC EFFECTS: None known.						
Medical Conditions Generally Aggravated by Exposure: Pre-existing irritation of skin and mucous membranes.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with water for 15 minutes. If irritation persists, get medical attention.						
Skin Contact: Wash contaminated areas with soap and water. If irritation persists, get medical attention.						
Inhalation: Remove to fresh air.						
Ingestion: DO NOT INDUCE VOMITING. Drink large quantity of milk, egg whites, gelatin solution or water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): None required.						
Protective Gloves: Rubber or neoprene.			Eye Protection: Safety glasses or goggles.			
Ventilation Requirements: Normal room ventilation is adequate.						
Other Protective Clothing & Equipment: None required.						
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: Contain spill. Keep out of sewers & open bodies of water. Soak up spill on inert absorbent material. Place in leak-proof container.						
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 November 10, 2004. 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.