

# 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						
<b>NFPA Rating:</b> Health-2; Flammability-0; Reactivity-0; Special- -			<b>HMIS Rating:</b> Health-2, Flammability-0; Reactivity-0; Personal Protection-B			
Manufacturer's Name: <b>AMREP, INC.</b> Address: 990 Industrial Park Drive Marietta, GA 30062			DOT Hazard Classification: Corrosive Material, 8 Identity (trade name as used on label): <b>MISTY BIODET ND128</b>			
Date Prepared: 15 March 1996		Prepared By: RC/IB	MSDS Number: R 273		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 <sub>12</sub> -C <sub>16</sub> )		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						
<b>Boiling Point:</b> 212°F			<b>Specific Gravity (H<sub>2</sub>O=1):</b> 1.00			
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A			<b>Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):</b> N/E			
<b>Vapor Density (Air = 1):</b> N/E			<b>Evaporation Rate (water = 1):</b> 1			
<b>Solubility in Water:</b> Miscible			<b>Water Reactive:</b> No			
<b>Appearance and Odor:</b> Yellow liquid with Lemon fragrance						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A		<b>Auto Ignition Temperature</b> N/A		<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/A % UEL: N/A		
<b>FLASH POINT AND METHOD USED (non-aerosols):</b> None, water based.			<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Firefighters should wear NIOSH approved supplied atmosphere breathing apparatus.			
<b>EXTINGUISHER MEDIA:</b> Water, dry chemical, foam, carbon dioxide.						
<b>Unusual Fire &amp; Explosion Hazards:</b> Decomposition & oxidatious products in a fire can liberate noxious & toxic fumes.						
SECTION 4 - REACTIVITY HAZARD DATA						
<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR			
<b>Incompatibility (Mat. to avoid):</b> Aluminum, metal, anionics & acids.			<b>Conditions to Avoid:</b> None known.			
<b>Hazardous Decomposition Products:</b> Oxides of carbon, ammonia, oxides of nitrogen.						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> [ ] INHALATION [ X ] INGESTION [ ] SKIN ABSORPTION [ X ] EYE [ ] NOT HAZARDOUS						
ACUTE EFFECTS						
<b>Inhalation:</b> Should not cause respiratory irritation.						
<b>Eye Contact:</b> May cause severe eye irritation.			<b>Skin Contact:</b> May cause irritation.			
<b>Ingestion:</b> Harmful if swallowed.						
CHRONIC EFFECTS: None known.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> Pre-existing irritation of skin and mucous membranes.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Flush with water for 15 minutes. If irritation persists, get medical attention.						
<b>Skin Contact:</b> Wash contaminated areas with soap and water. If irritation persists, get medical attention.						
<b>Inhalation:</b> Remove to fresh air.						
<b>Ingestion: DO NOT INDUCE VOMITING.</b> Drink large quantity of milk, egg whites, gelatin solution or water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
<b>Respiratory Protection (specify type):</b> None required.						
<b>Protective Gloves:</b> Rubber or neoprene.			<b>Eye Protection:</b> Safety glasses or goggles.			
<b>Ventilation Requirements:</b> Normal room ventilation is adequate.						
<b>Other Protective Clothing &amp; Equipment:</b> None required.						
<b>Hygienic Work Practices:</b> Do not eat, drink or smoke in work area. Wash hands after handling.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Contain spill. Keep out of sewers & open bodies of water. Soak up spill on inert absorbent material. Place in leak-proof container.						
<b>Waste Disposal Methods:</b> Dispose of in accordance with all local, state and federal regulations.						
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Protect from extreme heat and cold.						
<b>Other Precautions &amp;/or Special Hazards:</b> 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