

# Material Safety Data Sheet

## MISTY BIODET ND32- PINE

### Section 1. Chemical Product and Company Identification

<b>Product Name</b>	MISTY BIODET ND32- PINE		
<b>Product Number</b>	BL1223		
<b>Product Use</b>	Neutral pH Detergent/Deodorar		
<b>Manufacturer/ Supplier</b>	Amrep, Inc. 990 Industrial Park Drive Marietta, GA 30062		
<b>Phone Number</b>	(770) 422-2071 (Mon-Fri/ 8am- 5pm ET)		
<b>D.O.T. Emergency Phone:</b>	CHEM TEL (800) 255-3924 INTERNATIONAL: + 01-813-248-0584		
<b>Date of Preparation</b>	<b>July 29 2009</b>	<b>Revision Number</b>	<b>1.0</b>

### Section 2. Hazards Identification

**Emergency overview** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Danger**

Keep locked up and out of the reach of children.

**Potential Acute Health Effects** May be harmful if swallowed. Corrosive to eyes.

**Routes of Entry** Eye Contact Ingestion. INHALATION Skin contact.

**Eyes** Corrosive to eyes. Eye contact can result in corneal damage or blindness.

**Skin** Severely irritating to the skin.

**Inhalation** Harmful if inhaled. Irritant.

**Ingestion** May cause vomiting and diahrrea

**Medical conditions aggravated by exposure:** Corrosive to eyes. May aggravate existing skin conditions. May aggravate existing respiratory conditions.

**Potential Chronic Health Effects** Corrosive to eyes. May aggravate existing skin conditions. May aggravate existing respiratory conditions.

**Carcinogenic Effects** Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

**Target organs** Not available.

**Environmental effects** Not available.

### Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Didecyl Dimethyl Ammonium Chloride	7173-51-5	1 - 5	Not established	Not available.

#### Section 4. First Aid Measures

<b>Eye Contact</b>	Call a poison control center or doctor immediately for treatment advice. Hold eye open and rinse slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
<b>Skin Contact</b>	Rinse skin with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.
<b>Inhalation</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration., preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.
<b>Ingestion</b>	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 instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person
<b>General Advice</b>	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
<b>Notes to Physician</b>	Probable mucosal damage may contraindicate the use of gastric lavage.

#### Section 5. Fire Fighting Measures

<b>Flammability</b>	Non-flammable.
<b>Fire Fighting Media and Instructions</b>	N/A
<b>Products of Combustion</b>	Not available.
<b>Special Remarks on Fire Hazards</b>	N/A
<b>Special Remarks on Explosion Hazards</b>	
<b>Sensitivity to Mechanical Impact</b>	Not available.
<b>Sensitivity to Static Discharge</b>	Not available.
<b>Protection of Fire Fighters</b>	See special remarks on Fire Hazards

#### Section 6. Accidental Release Measures

<b>Personal Precautions</b>	Splash goggles. Full suit. Boots. Gloves.
<b>Methods for Containment</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Call for assistance on disposal.
<b>Environmental precautions</b>	See Methods for Containment
<b>Methods for Clean Up</b>	See Methods for Containment

#### Section 7. Handling and Storage

<b>Precautions</b>	After handling, always wash hands thoroughly with soap and water. Avoid breathing vapors or spray mists.
<b>Incompatibility</b>	acids alkalis oxidizing agents
<b>Storage</b>	Corrosive materials should be stored in a separate safety storage cabinet or room. Keep out of the reach of children.

Keep locked up and out of the reach of children.

## Section 8. Exposure Controls/Personal Protection

### Engineering Controls

### Personal Protection

Good general ventilation should be sufficient to control airborne levels.

### Eyes

Safety glasses or Splash goggles or Face shield

### Body

No special protective clothing is required.

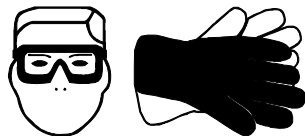
### Respiratory

A respirator is not needed under normal and intended conditions of product use.

### Hands

Gloves (impervious).

### Protective Clothing (Pictograms)



### Exposure Limits

See Section 2 For Applicable Exposure Limits

## Section 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	Liquid.	<b>Odor</b>	Minty.
		<b>Color</b>	Green.
<b>Molecular Weight</b>	Not applicable.		
<b>pH</b>	7 to 8 [Basic.]		
<b>Boiling/Condensation Point</b>	214°F initial		
<b>Melting/Freezing Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Specific Gravity</b>	1 (Water = 1)		
<b>Vapor Pressure</b>	20mm Hg @ 68°F		
<b>Vapor Density</b>	>1 (Air = 1)		
<b>Volatility</b>	>70		
<b>VOC</b>	<0.1 g/L (as fragrance)		
<b>Evaporation Rate</b>	<1 compared to Water		
<b>Dispersion Properties</b>	See solubility in water.		
<b>Solubility</b>	Easily soluble in cold water.		
<b>The Product is:</b>	Non-flammable.		
<b>Auto-ignition Temperature</b>	Not available.		
<b>Flash Points</b>	Not available.		
<b>Flammable Limits</b>	Not available.		
<b>Fire Hazards in Presence of Various Substances</b>	Non-flammable.		
<b>Explosion Hazards in Presence of Various Substances</b>	Not applicable		

## Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substances</b>	acids alkalis oxidizing agents
<b>Hazardous Decomposition Products</b>	Will not occur.

## Section 11. Toxicological Information

### Routes of Entry

<b>Toxicity to Animals</b>	Eye Contact Ingestion. INHALATION Skin contact.
<b>Acute Effects on Humans</b>	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium salt of ethylenediaminetetraacetic acid).
<b>Eyes</b>	Corrosive to eyes. Eye contact can result in corneal damage or blindness.
<b>Skin</b>	Severely irritating to the skin.
<b>Inhalation</b>	Harmful if inhaled. Irritant.
<b>Ingestion</b>	May cause vomiting and diarrhea
<b>Chronic Effects on Humans</b>	Corrosive to eyes. May aggravate existing skin conditions. May aggravate existing respiratory conditions.
<b>Special Remarks on Toxicity to Animals</b>	No additional remark.
<b>Special Remarks on Chronic Effects on Humans</b>	No additional remark.

## Section 12. Ecological Information

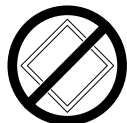
<b>Ecotoxicity</b>	Not available.
<b>BOD5 and COD</b>	Not available.
<b>Products of Biodegradation</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>Toxicity of the Products of Biodegradation</b>	Not available.
<b>Special Remarks on the Products of Biodegradation</b>	No additional remark.

## Section 13. Disposal Considerations

<b>Waste Information</b>	Any method in accordance with applicable laws.
<b>Waste Stream</b>	Hazardous chemical waste.

**Section 14. Transport Information**

**DOT (U.S.A)  
(Pictograms)**



**TDG Classification**

Not controlled under TDG (Canada).



**PIN UN, Proper Shipping Name, PG** Not applicable.

**Maritime Transportation** Not available.

**Special Provisions for Transport** Not applicable.

**Section 15. Other Regulatory Information and Pictograms**

**Regulatory Lists**

No products were found.

**Other Regulations**

Not available. or of its ingredients

**Other Classifications**

**HCS (U.S.A.)** HCS Class: Corrosive liquid.

**USA Regulatory Lists** No products were found.

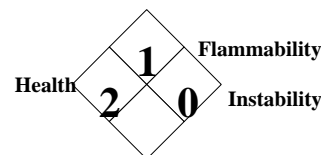
**DSD (EEC)** This product is not classified according to the EU regulations.

**International Regulations Lists** No products were found.

**Hazardous Material Information System (U.S.A.)**

Health	2
Flammability	1
Physical Hazard	0

**National Fire Protection Association (U.S.A.)**



Specific Hazard

**WHMIS (Classification)** Not a WHMIS controlled material.



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

**Section 16. Other Information**

**Expiry date** 3 (Three Years) from the date of preparation indicated in Section 1

**Validated by** CRushton on 7/29/2009.

**Verified by** CRushton.

**Printed** 7/29/2009.

**Information Contact** **Amrep, Inc.**  
**990 Industrial Park Drive**  
**Marietta, GA 30062**

Notice to Reader:

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

**Validated on** 7/29/2009.

***MISTY BIODET ND32- PINE***