

Material Safety Data Sheet

MISTY BIODET ND32- PINE

Section 1. Chemical Product and Company Identification

Product Name	MISTY BIODET ND32- PINE		
Product Number	BL1223		
Product Use	Neutral pH Detergent/Deodorant		
Manufacturer/ Supplier	Amrep, Inc. 990 Industrial Park Drive Marietta, GA 30062		
Phone Number	(770) 422-2071 (Mon-Fri/ 8am- 5pm ET)		
D.O.T. Emergency Phone:	CHEM TEL (800) 255-3924 INTERNATIONAL: + 01-813-248-0584		
Date of Preparation	February 13, 2013	Revision Number	1.0

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 diarrhea

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 ₅₀ /LD ₅₀
Didecyl Dimethyl Ammonium Chloride	7173-51-5	1 - 5	Not established	Not available.

Section 4. First Aid Measures

Eye Contact	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.
Skin Contact	Rinse skin with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.
Inhalation	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.
Ingestion	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
General Advice	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
Notes to Physician	Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5. Fire Fighting Measures

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

Section 6. Accidental Release Measures

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

Section 7. Handling and Storage

Precautions	After handling, always wash hands thoroughly with soap and water. Avoid breathing vapors or spray mists.
Incompatibility	acids alkalis oxidizing agents
Storage	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.

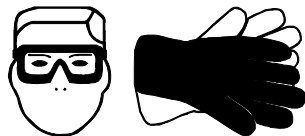
Respiratory

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

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

Section 10. Stability and Reactivity Data

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

Section 11. Toxicological Information

Routes of Entry

Toxicity to Animals	Eye Contact Ingestion. INHALATION Skin contact.
Acute Effects on Humans	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium salt of ethylenediaminetetraacetic acid).
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 diarrhea
Chronic Effects on Humans	Corrosive to eyes. May aggravate existing skin conditions. May aggravate existing respiratory conditions.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.

Section 12. Ecological Information

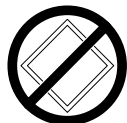
Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation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

Section 13. Disposal Considerations

Waste Information	Any method in accordance with applicable laws.
Waste Stream	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.

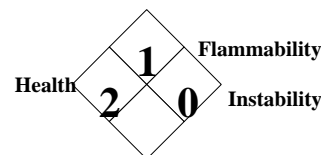
DSD (EEC) This product is not classified according to the EU regulations.

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 LMorsch on 2/13/2013.

Verified by LMorsch.

Printed 2/13/2013.

Information Contact **Amrep, Inc.**
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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 2/13/2013.

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