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CHEMTREC® 24 hr Emergency: International 703-527-3887

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION: DPD Free Chlorine Reagent

Catalog Numbers-HF scientific: 10119 10307 10425 10445A 10501 10505T
10188 10312 10426 10445V 10504 10517
10300 10313 10439A 10447A 10504C 10519
10301 10403 10440 10500 10504T 11921
10306 10405 10441 10500C 10505

Catalog Numbers-USA BlueBook: 34441 34442 34443 34444 34451 34452

PRODUCT USE: Analytical / Laboratory Reagent

NFPA RATINGS: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

2. HAZARDS IDENTIFICATION

TARGET ORGANS: Skin, Eye
ACUTE TOXICITY: None Reported
CHRONIC TOXICITY: May Cause Allergic Skin Reaction in Certain Individuals Causing Skin Irritation and or Rashes
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-Existing Eye, Skin, or Respiratory Conditions

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component		Percent
CAS No.	N, N-Diethyl-p-Phenylenediamine Confidential	<5
Component	Carboxylate Salt	30-40
CAS No.	Confidential	
Component	Sodium Phosphate, Dibasic	50-60
CAS No.	7558-79-4	
Component	Ethylenediaminetetraacetic Acid	<5
CAS No.	6381-92-6	

4. FIRST AID MEASURES

EYE CONTACT: Immediately Flush Eyes with Water for 15 Minutes. Call a Physician
SKIN CONTACT: Wash Skin with Soap and Water. Call a Physician
INHALATION: Remove to Fresh Air
INGESTION: Give Large Quantities of Water or Milk. Call a Physician.

5. FIRE FIGHTING MEASURES

FLASH POINT: NA
AUTOIGNITION POINT: NA
FLAMMABILITY LIMITS: UPPER: NA LOWER: NA
EXTINGUISHING MEDIA: Water, Dry Chemical, Alcohol Foam, or Carbon Dioxide

6. ACCIDENTAL RELEASE MEASURES

Scoop into a Beaker and Dissolve in Water. Always Use Appropriate Safety and Personal Protective Equipment. For Additional Information, Refer to Section 8.

7. HANDLING AND STORAGE

HANDLING: Use Only in Adequate Ventilation. Avoid Contact with Eyes, Skin, and Clothing. Avoid Breathing Dust. Wash Thoroughly after Handling.
STORAGE: Store in a Cool, Dry Environment. Avoid Sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA & ACGIH LIMIT: NA
PERSONAL PROTECTIVE EQUIPMENT: Safety Glasses, Laboratory Coat, Latex or Nitrile Gloves, Dust Mask. Safety Shower Should be Located in Work Area. General Mechanical Ventilation Satisfactory with Normal Use.

9. PHYSICAL AND CHEMICAL PROPERTIES

MOLECULAR WEIGHT: 209u
PHYSICAL STATE: Solid
COLOR: White to Pale Pink Powder
Odor: Odorless
FLASH Point: NA
FLAMMABLE LIMITS: NA
AUTOIGNITION TEMPERATURE: NA
VAPOR PRESSURE: NA
BOILING POINT: NA
VAPOR DENSITY (AIR=1): NA

SPECIFIC GRAVITY (H2O=1): NA
FREEZING POINT: NA
MELTING POINT: Not Determined
SOLUBILITY IN WATER: Soluble
pH: 6.0-6.6
EVAPORATION RATE: NA
DYNAMIC VISCOSITY: NA
KINEMATIC VISCOSITY: NA

10. STABILITY AND REACTIVITY

Product Stable Under General Use and Storage Conditions. Avoid Exposure to Light, Heat, and Moisture. Avoid Contact with Oxidizing Agents. Hazardous Polymerization Will Not Occur. Toxic Fumes May Occur When Decomposed.

11. TOXICOLOGICAL INFORMATION

Route of Exposure: Skin, Eyes, Ingestion, Inhalation
Teratogen Status: None
Mutagen Status: None
Reproductive Toxicity: None
Carcinogen Status: None

12. ECOLOGICAL INFORMATION

No Ecological Data Available

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all federal, state and local regulations.

14. TRANSPORT INFORMATION

US DOT (United States Department of Transportation): Not Regulated
IATA (International Air Transport Association): Not Regulated
IMO (International Maritime Organization): Not Regulated

15. REGULATORY INFORMATION

US / CANADA INFORMATION:

SARA/Title III: No
WHMIS: No
DSL: No
NDSL: No

16. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.