

1. IDENTIFICATION

1.1 Product Identifier

Product Name: DPD FREE CHLORINE REAGENT

Catalog Numbers: 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

CAS Number: Mixture

Chemical Formula: Mixture

Molecular Weight: Mixture

1.2 Other Means of Identification

Synonyms: None

1.3 Recommended use of the chemical and restrictions on use

Product Use: Analytical / Laboratory Reagent

1.4 Supplier's Detail

Manufacturer: HF Scientific, Inc

Address: 3170 Metro Parkway Fort Myers, FL 33916

General Information: 888-203-7248, Monday thru Friday 8:00am-5:00 pm EST

1.5 Emergency Phone Number

Transportation Emergency Number: CHEMTREC® 24 hr US 800-424-9300
CHEMTREC® 24 hr International 703-527-3887

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Health:

Acute Toxicity: Category 5
Skin Irritation: Category 3
Skin Sensitizer: Category 1B
Eye Irritation: Category 2B

2.2 GHS label elements, including precautionary statements:



Pictogram:

Signal word: WARNING

Hazardous Statements:

H303 – May be harmful if swallowed
H313 – May be harmful in contact with skin
H333 – May be harmful if inhaled
H320 – Causes eye irritation

Precautionary Statements:

P261 – Avoid breathing dust
P264 – Wash thoroughly after handling
P280 – Wear protective gloves.
P302+P352 – IF ON SKIN wash with plenty of water
P304 – IF INHALED Remove to Fresh Air.
P305+P351+P338 – IF IN EYES rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 – If skin irritation or rash occurs, get medical attention
P337+P313 – If irritation persists, get medical attention.
P312 – Call a POISON CENTER or doctor if you feel unwell
P362+P364 – Take off contaminated clothing and wash it before reuse
P501 – Dispose of contents/container in accordance with local, regional, national and international regulations.

2.3 Other hazards which do not result in classification: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Cas Number	Weight %
Buffer Salts	Mixture	> 90%
N,N-Diethyl-p-phenylenediamine Sulfate Salt	6283-63-2	< 5%
Ethylenediaminetetraacetic Acid	6381-92-6	< 5%

4. FIRST AID MEASURES

4.1 Description of necessary 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.

4.2 Most important symptoms/effects, acute and delayed

Described in section 2.2 and/or section 11

4.3 Indication of immediate medical attention and special treatment needed, if Necessary

None

5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Water, Alcohol-Resistant Foam, Dry Chemical or Carbon Dioxide

5.2 Specific hazards arising from the chemical:

None

5.3 Special protective actions for fire-fighters:

Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

NFPA Classification HEALTH: 1 FLAMMABLE: 1 REACTIVITY: 0

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Refer to Section 8 of this Safety Data Sheet

6.2 Environmental precautions:

Keep away from drains, surface and ground water.

6.3 Methods and materials for containment and cleaning up

Scoop into a Beaker and Dissolve in Water. Always Use Appropriate Safety and Personal Protective Equipment.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Use Only in Adequate Ventilation. Avoid Contact with Eyes, Skin, and Clothing. Avoid Breathing Dust. Wash Thoroughly after Handling.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a Cool, Dry Environment. Avoid Sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters: Not established

8.2 Appropriate engineering Controls

General Mechanical Ventilation Satisfactory with Normal Use. Safety Shower Should be Located in Work Area.

8.3 Personal Protective Equipment:

Eyes: Safety glasses

Skin: Lab Coat, and Latex or Nitrile Gloves

Respiratory: Dust Mask

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: White to pale pink powder

Odor: Odorless

Odor threshold: Not determined

pH: 6.0-6.6

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flashpoint: Not determined

Evaporation Rate (Water=1): Not determined

Flammability: Not determined

Lower Flammability Limit: Not determined

Upper Flammability Limit: Not determined

Vapor Pressure: Not determined

Vapor Density: Not determined

Relative Density: Not determined

Water solubility: Soluble

Octanol / Water Partition Coefficient: Not determined

Autoignition Temperature: Not determined

Decomposition Temperature: Not determined

Viscosity: Not determined

Explosive properties: Not determined

Oxidizing properties: Not determined

10. STABILITY AND REACTIVITY

10.1 Reactivity:

None

10.2 Chemical Stability

Product Stable Under General Use and Storage Conditions.

10.3 Possibility of hazardous reactions

Hazardous Polymerization Will Not Occur.

10.4 Conditions to avoid

Avoid Exposure to Light, Heat, and Moisture.

10.5 Incompatible materials

Avoid Contact with Oxidizing Agents.

10.6 Hazardous decomposition products

Toxic Fumes May Occur When Decomposed.

11. TOXICOLOGICAL INFORMATION

11.1 Information

Acute Toxicity: Irritation of eye, skin and respiratory tract.

Skin corrosion/irritation: Irritation of the skin

Serious Eye damage/irritation: Irritation of the eyes

Respiratory or skin sensitization: Irritation of respiratory tract.

Germ cells mutagenicity: Not determined

Carcinogenicity: No component in this product present greater than or equal to 0.10% is identified as a probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA.

Reproductive toxicity: Not determined

Specific Target organ toxicity – single exposure: Not determined

Specific Target organ toxicity – repeated exposure: Not determined

Aspiration Hazards: Not determined

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Not determined

12.2 Persistence and degradability

Not determined

12.3 Bioaccumulative potential

Not determined

12.4 Mobility in soil

Not determined

12.5 Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Methods

Dispose of in a manner consistent with 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

CERCLA: None

SARA/Title III: None

TSCA Inventory: None

Cal. Proposition 65: None

WHMIS: N/A

DSL: N/A

NDSL: N/A

16. OTHER INFORMATION

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.

Preparation Information:

Revision number: 17

Revision Objective: Update to current GHS Regulations

Date of Revision: October 7th, 2015