

DATE: September 4, 2008

REVISION: 12

MATERIAL SAFETY DATA SHEET

HF scientific, inc.
3170 Metro Parkway
Fort Myers, FL 33916-7597
(239) 337-2116
Mon-Fri 8:30 am-4:30 pm

24 Hour Emergency
Telephone Number
CHEMTREC
1-800-424-9300

SECTION 1 PRODUCT IDENTIFICATION:

PRODUCT NAME: DPD TOTAL CHLORINE REAGENT

CATALOG NUMBERS:

HF scientific, inc.:					
10120	10315	10427	10448A	10506C	11908
10303	10316	10442	10502	10506T	11915
10304	10404	10443	10502C	10507	10518
10309	10406	10444A	10503	10507T	
10310	10425	10446A	10506	10520	

For products with lot numbers above 21000

USA BlueBook					
34445	34446	34447	34448	34453	34454

CHEMICAL FAMILY: Not applicable

SYNONYMS: Not applicable

FORMULA:

Sodium Phosphate, Dibasic	CAS # 7758-79-4
Carboxylate Salt	CAS # Confidential
Potassium Iodide	CAS # 7681-11-0
Ethylenediaminetetraacetic Acid	CAS # 6381-92-6
DPD Salt.	CAS # Confidential

SECTION 2 HAZARDOUS INGREDIENTS

Hazardous	OSHA PEL	ACGIH TLV	Other Limits
<u>Ingredient(s):</u>			<u>Recommended</u>
DPD* Salt	Not established		None
*(N,N-Diethyl-p-Phenylenediamine)			

SECTION 3 PHYSICAL DATA

BOILING POINT (F): Not applicable
SOLUBILITY IN WATER: Soluble
VAPOR PRESSURE (mm Hg): Not applicable
MELTING POINT: Not applicable
APPEARANCE AND ODOR: White to pale pink powder, no odor
VAPOR DENSITY (AIR=1): Not applicable
SPECIFIC GRAVITY (H₂O = 1): Not available
EVAPORATION RATE (Butyl Acetate = 1): Not applicable

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): Not flammable
FLAMMABLE LIMITS:
LEL: Not applicable **UEL:** Not applicable
EXTINGUISHING MEDIA: Water, dry chemical, alcohol foam, or carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES: Suitable to cause of fire. Wear protective clothing and self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: May emit toxic fumes

SECTION 5 HEALTH HAZARD EFFECTS AND FIRST AID

ROUTE(S) OF ENTRY: Inhalation? Yes. Skin? Yes. Ingestion? Yes.
HEALTH HAZARDS (Acute and Chronic): Moderately toxic. Rash, irritation

of eyes and respiratory tract.

CARCINOGENICITY: NTP? IARC Monographs? OSHA Regulated? Mutation and reproductive citations for potassium iodide (RTECS, 1982)

SIGNS AND SYMPTOMS OF EXPOSURE: Moderately toxic. Rash, irritation of eyes and respiratory tract. May be absorbed through skin and may be sensitizing to skin.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Allergy or sensitivity to salts of DPD.

EMERGENCY AND FIRST AID PROCEDURES:

Eye And Skin Exposure: Immediately flush eyes with water for 15 minutes.

Call physician. Wash skin with soap and plenty of water.

Ingestion: Give large quantities of water or milk. Call physician immediately.

Inhalation: Remove to fresh air.

SECTION 6 REACTIVITY DATA

STABILITY: Stable under normal conditions of use and storage

CONDITIONS TO AVOID: Exposure to light, heat.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Iodine, iodine compounds

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 7 SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Scoop into a beaker and dissolve in water.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Use only with adequate ventilation. Store in a cool, dry, dark place.

OTHER PRECAUTIONS: None

SECTION 8 CONTROL MEASURES

RESPIRATORY PROTECTION : Not necessary in normal use.

VENTILATION SYSTEMS: General mechanical ventilation satisfactory in normal use.

SKIN PROTECTION: Wear rubber gloves

EYE PROTECTION: Wear safety glasses

OTHER PROTECTIVE EQUIPMENT: Lab coat, eye wash, safety shower

WORK/HYGIENIC PRACTICES: Wash well after handling. Avoid skin contact.

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