

710-8588

~~HI-93716~~
HI-93701-01

MATERIAL SAFETY DATA SHEETS

HANNA INSTRUMENTS, INC.
P.O. BOX 849
WOONSOCKET, RI 02895

Effective: 3/30/95

Rev. A - Page 1 of 2

Cat. No. HI93701-01, HI93701-03

For assistance please contact: (800) 426-6287

SECTION I - PRODUCT IDENTIFICATION

Product Name: DPD Free Chlorine Reagent
Chemical Name: Not applicable
Formula: Not applicable
CAS. Number: NA
Chemical Family: Not applicable

SECTION II - INGREDIENTS

Sodium Hydrogen Tartrate

PCT: <60	CAS No.: 526-94-3	SARA: Not listed
TLV: Not established		PEL: Not established
Hazard: Toxicity unknown		

Sodium Phosphate, Dibasic, Anhydrous

PCT: <40	CAS No.: 7558-79-4	SARA: Not listed
TLV: Not established		PEL: Not established
Hazard: may cause eye and respiratory tract irritation		

Salt of N,N-Diethyl-p-Phenylenediamine

PCT: <5	CAS No.: 6283-63-2	SARA: Not listed
TLV: Not established		PEL: Not applicable
Hazard: Not applicable		

SECTION III - PHYSICAL DATA

State: solid	Solubility: (water) soluble (acid) ND
Appearance: white to pale pink powder	Odor: None
Boiling Point: NA	Vapor Pressure (mm Hg): NA
Melting Point: ND	Vapor Density (air =1): NA
Specific Gravity: ND	Evaporation Rate: NA
Storage Precautions: cool, dry, dark place	

* NA/ND - Defined as not applicable or not defined.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA
NFPA Codes: Health: 1 Flammability: 1 Reactivity: 0
Toxic Gases Produced: phosphorous oxides
Fire Extinguishing Media: water, dry chemical, alcohol foam or carbon dioxide

SECTION V - HEALTH HAZARD DATA

This Product May Be: irritating to eyes and respiratory tract, and may cause allergic skin reaction

Acute Toxicity: slightly toxic
Routes of Exposure: ingestion, inhalation
Target organs: ND

Chronic Toxicity: ND
Routes of Exposure: ingestion, inhalation
Target Organs: ND

Cancer Information: ND
Routes of Exposure: ND

Target Organs: ND
Cancer Information: ND
Routes of Exposure: ND
Target Organs: ND

Overexposure: may cause irritation, skin sensitization. May cause chronic "iodism": skin rash, conjunctivitis, runny nose, sneezing, bronchitis, headache, fever, irritation of mucous membranes.
Medical Conditions Aggravated By Overexposure: allergy or sensitivity to salts of N,N-Diethyl-p-Phenylenediamine.

SECTION VI - PRECAUTIONARY MEASURES

Avoid contact with eyes.
Avoid prolonged or repeated contact with skin.
Do not breath dust.
Wash thoroughly after handling.
Protective Equipment: adequate ventilation, lab grade goggles, disposable latex gloves

SECTION VII - FIRST AID

Eye and Skin Contact: Immediately flush eyes with cold water for 15 minutes. Call physician.
Remove contaminated clothing. Wash skin with soap and plenty of cold water.
Ingestion: Give large quantities of cold water. Call physician immediately.
Inhalation: Remove to fresh air.

SECTION VIII - REACTIVITY DATA

Stability: stable
Conditions to Avoid: extreme temperatures, excess moisture, exposure to light
Decomposition of Products: May emit toxic fumes of phosphorous oxides, iodine or iodine compounds in fire

SECTION IX - SPILL AND DISPOSAL PROCEDURES

In Case of Spill or Release:
Sweep up powder. Avoid breathing material. Dissolve in water. Flush down the drain with excess water.
Disposal Procedure:
Dispose of in accordance with all federal, state, and local regulations.

SECTION X - TRANSPORTATION DATA

Proper Shipping Name: Not currently regulated
Hazard Class: NA

SECTION XI - REFERENCES

- 1) TLV's Threshold Limit Values and Biological Exposure Indices for 1988-1989. American Conference of Governmental Industrial Hygienists, 1988.
- 2) Air Contaminants, Federal Register, Vol. 54, No. 12, Thursday, January 19, 1989. pp.2332-2983.
- 3) In-house information
- 4) Technical judgment
- 5) Outside testing

Special Note: Oral rat LD50 = 5850 mg/kg