

R-0843

## MATERIAL SAFETY DATA SHEET

MANUFACTURER: TAYLOR TECHNOLOGIES, INC  
31 LOVETON CIRCLE

SPARKS, MD 21152

TELEPHONE: 410-472-4340

## 1. PRODUCT IDENTIFICATION

CATALOG NO.: R-0843

PRODUCT NAME: DPD Tablet #1

CHEMICAL FAMILY: Buffered organic amine with inert fillers

## 2. INGREDIENTS

INGREDIENT	CAS NO.	%	NATURE OF HAZARD
N,N-Diethyl-p-phenylene-diamine oxalate	62637-92-7	<1	Irritant, toxic
Inorganic buffer			Irritant
Inert fillers			Irritant

## 3. PHYSICAL/CHEMICAL CHARACTERISTICS

STATE: Solid APPEARANCE: Off-white tablet ODOR: None  
BOILING PT (F): NA pH: NA SPECIFIC GRAVITY: NA  
VAPOR PRESSURE (mm Hg): NA VAPOR DENSITY (AIR=1): NA  
PERCENT VOLATILE BY VOLUME: NA SOLUBILITY IN WATER: Soluble

## 4. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

FLASH PT: NA METHOD: NA  
FLAMMABLE LIMITS: LEL: NA UEL: NA  
EXTINGUISHING MEDIA: NA  
SPECIAL PROCEDURES: Wear self-contained (positive pressure if available) breathing apparatus and special protective clothing  
FIRE/EXPLOSION HAZARDS AND HAZARDOUS DECOMPOSITION PRODUCTS: May emit toxic fumes of phosphorus oxides, nitrogen oxides, phosphine. Contact with metals may produce hydrogen gas.  
NFPA CODE: Health: 1 Flammability: 0 Reactivity: 0 Specific: NA  
CONDITIONS TO AVOID: Extreme heat, temperatures. Contact with metals, oxidizers, strong caustic.

## 5. HEALTH HAZARD DATA

INGREDIENT: Organic acid  
TOXICITY: LD50(ori-rat): 2400 mg/kg LD50(skn-rbr): 7940 mg/kg  
PEL: NE TLV: NE  
STEL: NE

INGREDIENT: N,N-Diethyl-p-phenylenediamine oxalate  
TOXICITY: NE  
PEL: NE TLV: NE  
STEL: NE

R-0843

Page 2

## 5. HEALTH HAZARD DATA - continued

ROUTE(S) OF ENTRY: Inhalation Ingestion X Skin X

TARGET ORGAN(S): Eyes, skin, gastrointestinal tract

CARCINOGENICITY: NTP No IARC No OSHA No

HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE:

EYES: Irritant

SKIN: Irritant. Contact may cause dermatitis.

INGESTION: Irritant, toxic. May cause gastrointestinal irritation, nausea, cramps, diarrhea, oxalate poisoning.

INHALATION: NA

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and skin conditions

## 6. PRECAUTIONARY MEASURES

PROTECTIVE EQUIPMENT: General purpose gloves, safety glasses, lab coat

HANDLING: Avoid contact with eyes, skin, and clothing. Avoid breathing chemical. Wash thoroughly after handling.

STORAGE: Cool, dry area. Avoid direct sunlight.

## 7. EMERGENCY AND FIRST AID PROCEDURES

EYE AND SKIN CONTACT: Immediately flush eyes with water for 15 minutes.

Call physician. Wash skin thoroughly with soap and water.

INGESTION: Give large amounts of water or large amounts of water with milk of magnesia. Call physician. DO NOT INDUCE VOMITING.

INHALATION: NA

## 8. SPILL AND DISPOSAL PROCEDURES

SPILL OR RELEASE: Neutralize with soda ash. Absorb with vermiculite or other inert material. Containerize for later disposal.

DISPOSAL: Incineration or other method to comply with all local, state, and federal regulations.

NA - Not applicable

ND = Not determined

NE = Not established

This Material Safety Data Sheet has been prepared in accordance with 29 CFR Part 1910.1200 and contains information believed to be accurate and complete at the date of preparation. However, no warranty is expressed or implied. Advice given under "Spill and Disposal Procedures" assumes compliance with federal, state, and local regulations regarding the disposal of hazardous waste.

DATE PREPARED: May 1996