

# MSDSs (Including First Aid)

R-0870

## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT IDENTIFICATION

CATALOG NO.: R-0870  
PRODUCT NAME: DPD Powder  
CHEMICAL FAMILY: Inorganic/organic salt mixture

### 2. INGREDIENTS

| INGREDIENT                                  | CAS NO.      | %   | NATURE OF HAZARD |
|---|--------------|-----|------------------|
| Potassium phosphate                         | 7778-77-0    | <65 | Irritant         |
| Sodium phosphate                            | 7558-79-4    | <35 | Irritant         |
| Ethylenediaminetetra-<br>acetic acid        | 60-00-4      | <2  | Irritant         |
| N,N-Diethyl-p-phenylene-<br>diamine oxalate | 62637-92-7   | <2  | Irritant, toxic  |
| Inorganic salt<br>(trade secret)            | Confidential | <5  | Irritant alkali  |
| Organic acid<br>(trade secret)              | Confidential | <5  | Irritant acid    |
| Organic acid<br>(trade secret)              | Confidential | <5  | Irritant         |

### 3. PHYSICAL/CHEMICAL CHARACTERISTICS

STATE: Solid      APPEARANCE: Off-white powder      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: >95%

### 4. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

FLASH PT: NA      METHOD: NA  
FLAMMABLE LIMITS: LEL: NA      UEL: NA  
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray or foam  
SPECIAL PROCEDURES: Wear self-contained (positive pressure if available)  
breathing apparatus and full-protective clothing  
FIRE/EXPLOSION HAZARDS AND HAZARDOUS DECOMPOSITION PRODUCTS: May emit  
toxic fumes of phosphorus oxides, sodium oxide.  
NFPA CODE: Health: 0      Flammability: 0      Reactivity: 0      Specific: NA  
CONDITIONS TO AVOID: Extreme heat, temperatures.

### 5. HEALTH HAZARD DATA

INGREDIENT: Potassium phosphate  
TOXICITY: NE  
PEL: NE      TLV: NE  
STEL: NE

INGREDIENT: Sodium phosphate  
TOXICITY: LD50(oral-rat): 12900 mg/kg  
PEL: NE      TLV: NE

STEL: NE  
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5. HEALTH HAZARD DATA - continued

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

ROUTE(S) OF ENTRY: Inhalation X Ingestion X Skin X  
TARGET ORGAN(S): Eyes, skin, respiratory tract  
CARCINOGENICITY: NTP No IARC No OSHA No  
HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE:  
EYES: Irritant  
SKIN: Irritant  
INGESTION: Irritant, toxic. May cause gastrointestinal irritation, nausea, diarrhea, oxalate poisoning.  
INHALATION: Irritant, toxic. May cause irritation of respiratory tract and oxalate poisoning.  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye, skin, and respiratory conditions

6. PRECAUTIONARY MEASURES

PROTECTIVE EQUIPMENT: General purpose gloves, safety glasses, lab coat, dust mask, adequate ventilation  
HANDLING: Avoid contact with eyes, skin, and clothing. Avoid breathing chemical. Wash thoroughly after handling.  
STORAGE: Cool, dry, well-ventilated 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. Call physician. Induce vomiting under direction of physician.  
INHALATION: Remove to fresh air. Call physician.

8. SPILL AND DISPOSAL PROCEDURES

SPILL OR RELEASE: Sweep up. Avoid raising dust. 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.

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