



R-0003

**MATERIAL SAFETY DATA SHEET**

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**1. PRODUCT IDENTIFICATION**

CATALOG NO.: R-0003  
PRODUCT NAME: DPD Reagent #3  
CHEMICAL FAMILY: Inorganic salt solution

**2. INGREDIENTS**

INGREDIENT	CAS NO.	%	NATURE OF HAZARD
Potassium iodide	7681-11-0	<20	Irritant
Nonhazardous ingredients	NA	<1	None
Deionized water	7732-18-5	to 100	None

**3. PHYSICAL/CHEMICAL CHARACTERISTICS**

STATE: Liquid APPEARANCE: Clear, colorless ODOR: None  
BOILING PT (F): 212 pH: 7.6 SPECIFIC GRAVITY: 1.07  
VAPOR PRESSURE (mm Hg): 17 VAPOR DENSITY (AIR=1): .6  
PERCENT VOLATILE BY VOLUME: 80 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 full-protective clothing  
FIRE/EXPLOSION HAZARDS AND HAZARDOUS DECOMPOSITION PRODUCTS: May emit toxic fumes of iodine.  
NFPA CODE: Health: 0 Flammability: 0 Reactivity: 0 Specific: NA  
CONDITIONS TO AVOID: Extreme heat, temperatures. Contact with oxidizers, acids.

**5. HEALTH HAZARD DATA**

INGREDIENT: Potassium iodide  
TOXICITY: LD50(ori-mus): 1862 mg/kg  
PEL: NE TLV: NE  
STEL: NE  
ROUTE(S) OF ENTRY: Inhalation Ingestion X Skin X  
TARGET ORGAN(S): Eyes, skin  
CARCINOGENICITY: NTP No IARC No OSHA No  
HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE:  
EYES: Contact may cause irritation.  
SKIN: Contact may cause irritation.  
INGESTION: Irritant. May cause gastrointestinal irritation.  
INHALATION: NA  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and skin conditions