

MATERIALSAFETYDATASHEET

Section 1. Identity of Material

PRODUCT NAME OF NUMBER 431-IT DPD #4 Tablet				
SYNONYMS DPD #4 N,N Diethyl-P-Phenylenediamine Indicator				
FORMULA		CAS NUMBER		CHEMICAL FAMILY
REGULATED IDENTIFICATION	DOT PROPER SHIPPING NAME			
	SHIPPING ID NUMBER	UN	NA	EPA HAZARDOUS WASTE ID NUMBER
HAZARDOUS INGREDIENTS		%	TLV	CAS NO.
N,N Diethyl-P-Phenylenediamine Oxalate		2.1		52637-92-7
Potassium Iodide		0.1		7861-11-0

Section 2. Hazard Specifications

KNOWN HAZARDS UNDER 29 CFR 1910.1200						TLV=	ppm
	YES	NO		YES	NO	PEL=	ppm
						mg/m2	mg/m2
COMBUSTIBLE			SKIN HAZARD			NFPA HAZARD SIGNAL	
FLAMMABLE MATERIAL			EYE HAZARD			HEALTH	FLAMMABILITY
PYROPHORIC MATERIAL			TOXIC AGENT			STABILITY	SPECIAL
EXPLOSIVE MATERIAL			HIGHLY TOXIC AGENT			DOT HAZARD CLASS Non Hazardous	
UNSTABLE MATERILA			SENSITIZER				
WATER REACTIVE MATERIAL			CARCINOGEN				
OXIDIZER			REPRODUCTIVE TOXIN				
ORGANIC PEROXIDE			BLOOD TOXIN			EPA HAZARD WASTE CLASS	
CORROSIVE MATERIAL			NERVOUS SYSTEM TOXIN				
COMPRESSED GAS			LUNG TOXIN				
IRRITANT			LIVER TOXIN				
			KIDEY TOXIN				

Section 3. Safe Usage Data

PROTECTIVE EQUIPMENT TYPES	EYES	Coverall goggles
	RESPIRATORY	N/A
	GLOVES	Plastic Gloves
	OTHER	
VENTILATION	GENERAL MECHANICAL	N/A
	LOCAL EXHAUST	N/A
PRECAUTIONS	HANDLING & STORAGE	Store at room temperature in a cool dry place or in a refrigerator.
	OTHER	

Section 4. Emergency Response Data

FIRE	EXTINGUISHING MEDIA Water, Alcohol foam, Carbon Dioxide, Dry chemical
	SPECIAL PROCEDURES none
	UNUSUAL HAZARD
SPILLS RQ	STEPS TO BE TAKEN Wash with plenty of water
	WASTE DISPOSAL METHOD Wash down the drain with a large volume of water.

Sections 5. Physical Hazard Data

FLAMMABILITY	LFL none %		FLASH POINT N/A °F °C
	UFL none %		METHOD USED N/A
STABILITY	STABLE	X	CONDITION TO AVOID Avoid High Temperature
	UNSTABLE		HAZARDOUS DECOMP.POTS.
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITION TO AVOID
	WILL NOT CCUR	X	
INCOMPATIBILITY	MATERIALS TO AVOID alkaloikal salts, acids, potassium chlorate, metallic salts.		


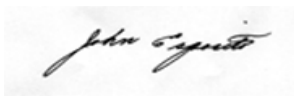
Section 6. Health Hazard Data

EFFECT OF EXPOSURE	Ingestion may cause severe gastritis, with vomiting convolutions, coma and death.
ENTRY ROUTE:	Inhale _____ Ingest _____ Skin _____ Eye _____
EMERGENCY TREATMENT	Eye: Wash with plenty of water for at least 15 minutes. Internal: If swallowed give 1% calcium chloride in a glass of water and then 2-4 glasses of water. Induce vomiting. Get medical attention immediately.

Section 7. Physical and Chemical Properties

BOILING PT: N/A °F °C	VAPOR DENSITY	VOLATILE COMPONENTS
VAOPR PRESS N/A mmHg	pH Sp. Gr. N/A	
SOLUBILITY IN H ₂ O complete	WILL DISSOLVE IN N/A	EVAPORATION RATE N/A
APPEARANCE White tablet	IS MATERIAL	PASTE _____ POWDER _____
ODOR	SOLID _____	LIQUIC _____ GAS _____

Section 8. Manufacturer or Supplier Data

 ORBECO ANYLYTICAL SYSTEMS, INC. 185 Marine Street Farmingdale, NY 11735 Tel. 631-293-4110	NAME (PRINT) John Esposito
	SIGNATURE 
	TITLE VP
	DATE 8/2004
	EMERGENCY TELEPHONE NO. 800-424-9300