

# DPD POWDER

Product: R-0870

## Section 1: PRODUCT INFORMATION

**Chemical family:** Inorganic/organic salt solution.

**Product uses:** Chemical.

**Supplier:** Lowry & Associates, div. of Chem-Aquascience, Inc  
Canadian Master Distributors for Taylor Technologies, Inc.  
4-1151 Gorham Street  
Newmarket, ON.  
L3Y 8Y1  
Tel: 905-836-0505  
Fax: 905-895-4539.

**Emergency Phone Number:** Canutec 613-996-6666.  
905-625-9117 (Monday - Friday 9 a.m. - 4 p.m.).

**Manufacturer:** Taylor Technologies Inc.  
31 Loveton Circle  
Sparks, MD USA 21152  
Tel: 410-472-4340.

**TDG classification:** Not regulated.

**WHMIS classification:**

D2B



**DSL status:** Cas# 6283-63-2 does not appear on the DSL or NDSL.

**Product name:** DPD Powder

## Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
60-00-4	<2	ETHYLENEDIAMINETETRACETIC ACID	NOT AVAILABLE	30 MG/KG MOUSE ORAL	NOT AVAILABLE
6283-63-2	<2	N,N-DIETHYL-P-PHENYLENE-DIAMINE SULFATE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
7558-79-4	<35	DISODIUM PHOSPHATE	NOT AVAILABLE	17,000 MG/KG RAT ORAL	NOT AVAILABLE
7778-77-0	<65	POTASSIUM PHOSPHATE	NOT AVAILABLE	>4640 MG/KG RABBIT DERMAL	NOT AVAILABLE
	<5	BLEND OF INORGANIC SALTS	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
	<5	ORGANIC ACID	NOT AVAILABLE	2.400 MG/KG RAT ORAL >7940 MG/KG RABBIT DERMAL	NOT AVAILABLE

### Section 3: PHYSICAL DATA

- Physical state:** Solid
- Appearance & odor:** Odourless.  
Off-white.  
Powder.
- Odor threshold (ppm):** Not available.
- Vapour pressure (mmHg):** Not applicable.
- Vapour density (air=1):** Not applicable.
- Volatiles (%)**
- By volume:** Not applicable.
- Evaporation rate (butyl acetate = 1):** Not applicable.
- Boiling point (°C):** Not applicable.
- Freezing point (°C):** Not applicable.
- pH:** Not applicable.
- Specific gravity @ 20 °C:** Not applicable.
- Solubility in water (%):** >95%
- Coefficient of water\oil dist.:** Not applicable.
- VOC:** Not available.

### Section 4: FIRE & EXPLOSION DATA

- Flammability:** Not flammable.
- Conditions of flammability:** Surrounding fire.
- Extinguishing media:** Carbon dioxide, dry chemical, foam.  
Water spray.
- Special procedures:** Wear a positive-pressure, self-contained breathing apparatus and full protective equipment.
- Auto-ignition temperature (°C):** Not applicable.
- Flash point (°C), method:** Not applicable.
- Lower flammability limit (% vol):** Not applicable.
- Upper flammability limit (% vol):** Not applicable.
- Explosion Data**
- Sensitivity to static discharge:** Not applicable.
- Sensitivity to mechanical impact:** Not applicable.
- Hazardous combustion products:** Oxides of phosphorus (POx).  
Oxides of sodium (NaOx).
- Explosive power:** Not applicable.

## Section 5: REACTIVITY DATA

- Chemical stability:** Stable under normal conditions.
- Conditions of instability:** Extreme temperatures.  
Extreme heat.
- Hazardous polymerization:** Not available.
- Incompatible substances:** None known.
- Hazardous decomposition products:** See hazardous combustion products.

## Section 6: TOXICOLOGICAL PROPERTIES

- Route of entry:** Skin contact.  
Inhalation and ingestion.
- Effects of acute exposure
- Eye contact:** Irritant.
- Skin contact:** Irritant.
- Inhalation:** Irritant.  
May cause irritation of the respiratory tract.
- Ingestion:** May cause gastro-intestinal irritation.  
May cause nausea and diarrhea.
- Effects of chronic exposure:** Pre-existing eye, skin and respiratory disorders may be aggravated.
- LD50 of product, species & route:** Not available for mixture, see the ingredients section.
- LC50 of product, species & route:** Not available.
- Exposure limit of material:** Not available.
- Sensitization to product:** Not available.
- Carcinogenic effects:** Not listed as a carcinogen.
- Reproductive effects:** Not available.
- Teratogenicity:** Not available.
- Mutagenicity:** Not available.
- Synergistic materials:** Not available.

## Section 7: PREVENTATIVE MEASURES

### Precautionary Measures

**Gloves/Type:**



General work gloves to minimize skin contact.

**Respiratory/Type:**



NIOSH approved respirator, if necessary.

**Eye/Type:**



Safety glasses.

**Footwear/Type:** Safety shoes per local regulations.

**Clothing/Type:**



Lab coat.

**Other/Type:** Eye wash facility should be in close proximity.  
Emergency shower should be in close proximity.

**Ventilation requirements:** Ventilate adequately.

**Leak/Spill:** Sweep up.  
Wear appropriate protective equipment.  
Avoid raising dust.  
Place in a closed container for disposal.

**Waste disposal:** Dispose of all waste in accordance with Local, State, and Federal regulations.

**Handling procedures and equipment:** Use adequate ventilation.  
Wash thoroughly after using, particularly before eating or smoking.  
Wear personal protective equipment appropriate to task.  
Avoid breathing dust or vapors.  
Avoid breathing dust or fumes.  
Avoid contact with skin, eyes and clothing.  
Launder contaminated clothing prior to reuse.

**Storage requirements:** Keep out of direct sunlight.  
Store in a cool, dry and well ventilated area.

**Special shipping information:** See transportation information.

## Section 8: FIRST AID MEASURES

**Skin contact:** Remove contaminated clothing.  
Wash thoroughly with soap and water.  
Seek medical attention if irritation persists.

**Eye contact:** Immediately flush eyes with running fresh water for a minimum of 20 minutes.  
Hold eyelids open during flushing. Obtain medical attention immediately.

**Inhalation:** Remove victim to fresh air.  
Obtain immediate medical attention.

**Ingestion:** Never give anything by mouth to an unconscious person.  
Drink a large amount of water.  
Do not induce vomiting, unless directed to do so by a physician.  
Obtain emergency medical attention.

**Additional information:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

## Section 9: ADDITIONAL INFORMATION

**General note:** This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

**Data prepared by:** Lowry & Associates, div. of Chem–Aquascience, Inc  
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