

Products Selection  
R-0870

## DPD POWDER

Product: R-0870

Revision date: 2004/03/19

- [Section 1: PRODUCT INFORMATION](#)
- [Section 2: HAZARDOUS INGREDIENTS](#)
- [Section 3: PHYSICAL DATA](#)
- [Section 4: FIRE & EXPLOSION DATA](#)
- [Section 5: REACTIVITY DATA](#)
- [Section 6: TOXICOLOGICAL PROPERTIES](#)
- [Section 7: PREVENTATIVE MEASURES](#)
- [Section 8: FIRST AID MEASURES](#)
- [Section 9: ADDITIONAL INFORMATION](#)

### Section 1: PRODUCT INFORMATION

**Chemical family:** Inorganic salt.

**Supplier:** Lowry & Associates  
4 - 1151 Gorham Street  
Newmarket, Ontario  
L3Y 7V1.

**Emergency Phone** Canutec 613-996-6666.  
**Number:** 410-472-4340

**Manufacturer:** Taylor Technologies Inc.  
31 Loveton Circle  
Sparks, MD USA 21152.

**TDG classification:**

Not regulated.



**WHMIS classification:**

D2B



**DSL status:** Not available.

### Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION	Ingredient Name	T.L.V.	LD/50	LC/50
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	%				
62778-12-5	< 2	N,N-DIETHYL-P-PHENYLENE-DIAMINE SULFATE	NOT AVAILABLE	25 MG/KG MOUSE ORAL	NOT AVAILABLE

### Section 3: PHYSICAL DATA

**Physical state:** Solid

**Appearance & odor:** Not available.

**Odor threshold (ppm):** Not available.

**Vapour pressure (mmHg):** Not applicable.

**Vapour density (air=1):** Not applicable.

**Volatiles (%)**

**By volume:** 88%

**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:** Self-contained breathing apparatus required.  
Firefighters should wear the usual protective gear.

**Auto-ignition temperature:** Not applicable.

**Flash point (°C), method:** Not applicable.

**Lower flammability:** Not applicable.

**limit (% vol):**

**Upper flammability limit (% vol):** Not applicable.

**Explosion Data**

**Sensitivity to static discharge:** Not applicable.

**Sensitivity to mechanical impact:** Not applicable.

**Hazardous combustion products:** Carbon dioxide (CO<sub>2</sub>).  
Oxides of nitrogen (NO<sub>x</sub>).  
Oxides of phosphorus (PO<sub>x</sub>).  
Phosphine.  
Oxides of sulfur (SO<sub>x</sub>).  
Contact with metals may produce flammable hydrogen gas.

**Explosive power:** Not applicable.

**Section 5: REACTIVITY DATA**

**Chemical stability:** Stable under normal conditions.

**Conditions of instability:** Excessive heat.  
Direct sunlight.  
Extreme temperatures.

**Hazardous polymerization:** Not available.

**Incompatible substances:** Metals.

**Hazardous decomposition products:** None known.

**Section 6: TOXICOLOGICAL PROPERTIES**

**Route of entry:** Eye contact, skin contact, skin absorption, inhalation and ingestion.

Effects of acute exposure

**Eye contact:** Irritant.

**Skin contact:** Irritant.

**Inhalation:** May be harmful if inhaled.

**Ingestion:** May cause gastro-intestinal irritation.

**Effects of chronic exposure:** None known.

**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:**



Wear protective gloves.

**Respiratory/Type:** None required under normal use.



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:** Adequate general ventilation.

**Leak/Spill:** Wear appropriate protective equipment.  
Neutralize with soda ash.  
Soak up with inert absorbent.  
Transfer to an approved container for disposal or recovery.

**Waste disposal:** In accordance with municipal, provincial and federal

regulations.

**Handling procedures** Use adequate ventilation.

**and equipment:** Wash thoroughly after using, particularly before eating or smoking.

Wear personal protective equipment appropriate to task.

Avoid breathing dust or fumes.

Avoid contact with skin, eyes and clothing.

Do not take internally.

Laundry contaminated clothing prior to reuse.

**Storage requirements:** Store away from incompatible materials.

Keep out of direct sunlight.

Keep containers tightly closed.

Store in a cool, dry and well ventilated area.

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

## Section 8: FIRST AID MEASURES

**Skin contact:** Wash with water for at least 15 minutes.

Get medical attention.

**Eye contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Get prompt medical attention.

**Inhalation:** Remove victim to fresh air.

Treat symptomatically.

If breathing is difficult, obtain immediate medical attention.

**Ingestion:** Obtain immediate medical attention.

Do not induce vomiting.

Dilute with 1-2 glasses of milk or water.

Never give anything by mouth to an unconscious person.

**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.

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