DPD REAGENT #1

Product: CR−0001

Section 1: PRODUCT INFORMATION

Chemical family: Inorganic 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.

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

TDG classification: Not regulated.

WHMIS classification: Not controlled.

DSL status: The substance(s) listed in section 2 appear on the Domestic Substances List.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
7558−79−4	<10	DISODIUM PHOSPHATE	NOT AVAILABLE	17,000 MG/KG RAT ORAL	NOT AVAILABLE
7778−77−0	<10	POTASSIUM PHOSPHATE	NOT AVAILABLE	>4640 MG/KG RABBIT DERMAL	NOT AVAILABLE

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: Balance: water (CAS# 7732−18−5).
(supplier).

Section 3: PHYSICAL DATA

Physical state: Liquid.

Appearance & odor: Odourless.
Clear, colourless.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): 17

Vapour density (air=1): .64

Volatiles (%)

By volume: 68

Evaporation rate (butyl acetate = 1):	Not available.
Boiling point (°C):	100
Freezing point (°C):	Not available.
pH:	10
Specific gravity @ 20 °C:	1.24
Solubility in water (%):	Soluble.
Coefficient of water\oil dist.:	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).
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:	Ingestion and skin contact.

Effects of acute exposure

Eye contact: Irritant.

Skin contact: May cause irritation.

Inhalation: May be harmful if inhaled.

Ingestion: Irritant.
May cause gastro−intestinal irritation.
May cause nausea and diarrhea.

Effects of chronic exposure: Pre−existing eye and skin disorders may be aggravated by exposure to this product.

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:

Wear a NIOSH approved respirator if TLV is exceeded.

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: Provide sufficient mechanical ventilation to maintain exposure below TLV.

Leak/Spill: Absorb with inert material.
Wear appropriate protective equipment.
Place in a closed container for disposal.

Waste disposal: In accordance with municipal, provincial and federal regulations.

Handling procedures and equipment: Avoid breathing vapors/mists.
Use adequate ventilation.
Wear personal protective equipment appropriate to task.
Wash thoroughly after handling.
Avoid contact with skin, eyes and clothing.
Launder contaminated clothing prior to reuse.

Storage requirements: Keep out of direct sunlight.
Store in a cool and dry place.

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 with cool water for at least 20 minutes.
Hold eyelids apart to ensure flushing of entire eye surface.
Get medical attention.

Inhalation: Remove victim to fresh air.
If irritation occurs, consult a physician.

Ingestion: Never give anything by mouth to an unconscious person.
Drink a large amount of water.
Do not induce vomiting, seek immediate 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.

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