



# MATERIAL SAFETY DATA SHEET

*This Material Safety Data Sheet complies with the Canadian Controlled Products Act*

**\*\*NOTE: THE FOLLOWING INFORMATION PROVIDED IS FOR THE PRODUCT CONCENTRATE ONLY, NOT FOR USE-DILUTIONS\*\***

SECTION 1 – PRODUCT IDENTIFICATION					
PRODUCT IDENTIFIER:		<b>ADVANTAGE</b>			
PRODUCT USE:		General Purpose Cleaner			
SUPPLIER:		Velocity Chemicals Ltd. Unit #1, 9515- 190 <sup>th</sup> St., Surrey, B.C. V4N-3S1 Emergency Telephone: (604) 881-4700 Facsimile: (604) 881-4701		In case of transportation emergency or product spill, contact: In Canada- CANUTEC @ 613-996-6666 (24 hrs.)	
SECTION 2 – HAZARDOUS INGREDIENTS					
HAZARDOUS INGREDIENTS	% (W/W)	CAS NUMBER	LD50	LC50	EXPOSURE LIMITS
Tetrapotassium Pyrophosphate	1-5	7320-34-5	>1000 mg/kg (oral, rat) > 4640 mg/kg (skin, rabbit)	Not available	Not established
SECTION 3 – PHYSICAL DATA					
<b>Physical state:</b> liquid <b>Solubility:</b> soluble <b>Odour and Appearance:</b> clear, mild odor <b>pH (100%) @ 20°C:</b> 8.0-9.0 <b>Specific Gravity @ 20°C:</b> 1.05 <b>Odour Threshold (ppm):</b> not established			<b>Vapour Density:</b> not determined <b>Vapour Pressure:</b> not determined <b>Evaporation Rate:</b> not determined <b>Boiling Point (°C):</b> not determined <b>Freezing Point (°C):</b> not determined <b>Coefficient of water/oil distribution:</b> Greater than 1		
SECTION 4 – FIRE AND EXPLOSION DATA					

<p><b>Flammability:</b> No, product is non-flammable.  <b>If yes, under what condition:</b> Not applicable.  <b>Means of Extinction:</b> Dry chemical, alcohol foam, CO<sub>2</sub>, water spray. The product is not flammable. Use extinguishing media suitable for surrounding fires.  <b>Special Fire Fighting Procedures:</b> Wear NIOSH/OSHA approved, self contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.  <b>Explosion Data-</b>  <b>Sensitivity to impact:</b> None  <b>Sensitivity to static discharge:</b> None</p>	<p><b>Flash Point (°C) and method:</b> not applicable  <b>Upper Flammable limit (% volume):</b> not applicable  <b>Lower Flammable limit (% volume):</b> not applicable  <b>Autoignition temperature (°C):</b> not applicable  <b>Usual Fire Hazards:</b> none known  <b>Hazardous combustion products:</b> phosphorous oxides, carbon oxides and other toxic organic vapours.</p>
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## ADVANTAGE

## SECTION 5 – REACTIVITY DATA

**Chemical Stability:** yes, stable under normal storage conditions  
**If no, under what conditions:**  
**Incompatibility with other substances:** yes  
**If so, under what conditions:** strong acids and oxidizers  
**Reactivity, and under what conditions:** none known  
**Hazardous Decomposition Products:** may form phosphorous oxides & carbon oxides upon thermal decomposition.

## SECTION 6 – TOXICOLOGICAL PROPERTIES

**Primary route of entry:** skin and eye contact, inhalation  
**Effects of Acute Exposure to Product:** Product exposure may cause irritation to skin and eyes. Inhaling mist or vapors may cause irritation or discomfort to respiratory system.  
**Effects of Chronic Exposure to Product:** Prolonged exposure may cause skin dermatitis.

**Exposure Limits:** see Section 2 under Hazardous Ingredients  
**Irritancy of Product:** Irritating to skin, eyes and respiratory system.  
**Sensitization:** none known  
**Reproductive Toxicity:** none known

**Mutagenicity:** none known  
**Carcinogenicity:** none known  
**Teratogenicity:** none known  
**Synergistic Products:** none known

## SECTION 7 – PREVENTATIVE MEASURES

**Respiratory Protection:** Normally not required. Use a NIOSH/OSHA approved for alkaline mist/dust if mists or organic vapors are present.  
**Gloves:** butyl or natural rubber  
**Eye Protection:** splash proof chemical goggles or face shield.

**Footwear:** no special requirement  
**Clothing:** long sleeve coveralls  
**Other:**

**Engineering Controls:** General ventilation for normal operating conditions or local exhaust for confined areas.

**Leak and Spill Procedures:** Wear protective equipment. Contain spill. Prevent runoff to drains or sewers. Recover material by vacuum or pump into a suitable waste container. Reuse material if possible, or otherwise neutralize with acid before disposal. Dispose in accordance with local regulations.

**Waste Disposal:** Dispose of in accordance with local environmental regulations.

**Handling Procedures and Equipment:** Use good hygiene practices. Avoid contact with eyes, skin and clothing. Avoid inhaling mists/vapors. Eye wash station should be available in the immediate work area.

**Storage Requirements:** Store in a cool, dry place away from incompatibles. Do not mix with any other chemicals. Keep container closed when not in use. Keep from freezing and temperatures below 30°C.

## ADVANTAGE

### SECTION 7 – PREVENTATIVE MEASURES(cont.)

#### Special Shipping Information:

WHMIS Classification: D2B

TDG Classification: Not Regulated

### SECTION 8 – FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air, apply artificial respiration if necessary. Seek medical help.  
**Ingestion:** Give large amounts of water if conscious. Do not induce vomiting. Get medical help immediately.  
**Skin Contact:** Wash thoroughly with water for 15 minutes. If irritation persists, seek medical attention.  
**Eye Contact:** Flush immediately with water for 15-20 minutes. Seek medical help.

### SECTION 9 - OTHER INFORMATION

REVISIONS: October 14, 2010

SUPERCEDES: December 14, 2007

PREPARED BY: Technical Department (Customer Service phone number: 604-881-4700)

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