

**MATERIAL SAFETY DATA SHEET**

HADDON EQUIPMENT & SUPPLIES  
8441 MAIN STREET  
VANCOUVER, B.C. V5X 3Y2

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In Case of Emergency Only:  
Phone CANUTEC: (613) 996-6666  
Valid: Nov. 2011 - Nov. 2013

**PRODUCT NAME:** CITRUS PLUS  
**OTHER NAME:** CITRUS PRESPOTTER  
**DISTRIBUTED BY:**

**CODE:** G506

**WHMIS CLASSIFICATION:**  
**TDG CLASSIFICATION:** Not Regulated

D2B

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<b>HAZARDOUS INGREDIENTS</b>	<b>%WT/WT</b>	<b>CAS NO.</b>	<b>TOXICITY DATA (LD<sub>50</sub> &amp; LC<sub>50</sub>)</b>
Ethylene Glycol Monobutyl-Ether	3-7	111-76-2	LD <sub>50</sub> Oral (rat) 1480 mg/kg LD <sub>50</sub> Dermal (rabbit) 630 mg/kg
Sodium Metasilicate	1-5	6834-92-0	LD <sub>50</sub> Oral (rat) 847 mg/kg
d-Limonene	1-5	5989-27-5	LD <sub>50</sub> Oral (rat) 4400 mg/kg

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**PHYSICAL DATA FOR PRODUCT**

Physical State: Liquid      Sp. Gravity: 1.0519      pH: 13.4, straight, 11.25 1% Sol.  
Boiling Point: 100°C      Vapour Pressure: Not Avail.  
Vapour Density: Not Avail.      Evaporation Rate: Not Avail.  
Freezing Point: Not Avail.  
Solubility in Water: 100%  
Appearance & Odour: Amber/red color liquid with orange odour.

**FIRE AND EXPLOSION DATA FOR PRODUCT**

Flash Point (Test Method): N/A  
Flammable Limits in Air, % by vol. Non-flammable      Lower: N/A      Upper: N/A  
Fire Extinguishing Substances: (X) Water Fog ( ) Foam (X) CO<sub>2</sub>  
(X) Dry Chem ( ) Other:  
Hazardous Combustion Products: May produce irritating aldehydes and ketones.

**Special Firefighting Procedures:**

As for surrounding fire. Use protective clothing to prevent contact with skin and eyes.

**REACTIVITY DATA FOR PRODUCT**

Incompatibility: ( ) Water (X) Oxidizing Material (X) Acid ( ) Base  
( ) Other:  
Hazardous Decomposition Products: Carbon dioxide and possibly carbon monoxide.

Chemical Stability: Stable under normal conditions.

\*N/A - Not applicable.

Product Name: **CITRUS PLUS**

**HEALTH HAZARD INFORMATION FOR PRODUCT**

**EMERGENCY and FIRST AID PROCEDURES**

Inhalation: Remove to fresh air. Get medical attention if respiratory irritation occurs.

Ingestion: Do not induce vomiting. Drink milk, egg whites, gelatin solution or large quantities of water. Get immediate medical attention.

Eyes: Flush with plenty of water for 15 minutes. If irritation persists, get medical attention.

Skin: Flush with plenty of running water.

**EFFECTS OF OVEREXPOSURE (Acute and Chronic)**

Inhalation: Inhalation of mist may cause irritation of respiratory tract.

Ingestion: Irritation of mouth and esophagus; nausea, vomiting, abdominal pain and diarrhea. Glycol ether has toxic effects on the red blood cells.

Eyes: May cause severe irritation and possible burns.

Skin: May cause irritation. Prolonged contact with concentrate may cause burns.

**PREVENTIVE MEASURES**

Steps to be taken upon release or spillage (including neutralizing):

Flush with water and mop up. Large spills should be neutralized with dilute acid like hydrochloric or sulfuric acid.

Waste disposal method:

Dispose in accordance with federal, state and local regulations.

Handling and Storage Requirements:

Store in ventilated area, above freezing temperature away from incompatibles. Keep container closed when not in use.

Ventilation Requirements (Local or General):

Local ventilation is recommended.

Respiratory Protection:

Not normally necessary.

Eye Protection:

Safety glasses with sideshield.

Other Protection:

Rubber gloves and coveralls should be worn to minimize contact with skin and clothing.