

**MATERIAL SAFETY DATA SHEET**

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

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Valid: Nov. 2011 – Nov. 2013

**PRODUCT NAME:** JET CLEAN  
**OTHER NAME:** JET CLEAN  
**DISTRIBUTED BY:**

**CODE:** J446

**WHMIS CLASSIFICATION:**  
**TDG CLASSIFICATION:**

D2B  
Not Regulated

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| <b>HAZARDOUS INGREDIENTS</b>    | <b>%WT/WT</b> | <b>CAS NO.</b> | <b>TOXICITY DATA<br/>(LD<sub>50</sub> &amp; LC<sub>50</sub>)</b>                                                |
|---------------------------------|---------------|----------------|-----------------------------------------------------------------------------------------------------------------|
| Ethylene Glycol Monobutyl-Ether | 5-10          | 111-76-2       | LD <sub>50</sub> Oral (rat) 560 mg/kg<br>ACGIH TLV (skin) - 25 ppm<br>LC <sub>50</sub> Inhalation (rat) 500 ppm |

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**PHYSICAL DATA FOR PRODUCT**

Physical State: Liquid                      Sp. Gravity: 1.0372                      pH: 9-10  
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: Blue colored solution with glycol ether 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 (X) Other:                      Use media proper to primary cause of fire.

Hazardous Combustion Products:                      May produce irritating aldehydes, acids and ketones.

Special Firefighting Procedures:                      Use self contained breathing equipment and protective clothing to prevent contact with skin and eyes.

**REACTIVITY DATA FOR PRODUCT**

Incompatibility: ( ) Water (X) Oxidizing Material ( ) Acid ( ) Base ( ) Other:

Hazardous Decomposition Products:                      Combustion will produce carbon dioxide and possibly carbon monoxide.

Chemical Stability:                      Stable under normal conditions.

\*N/A - Not applicable.

Product Name:

**JET CLEAN (JET CLEAN)**

**HEALTH HAZARD INFORMATION FOR PRODUCT**

**EMERGENCY and FIRST AID PROCEDURES**

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

Ingestion: Drink large quantities of water. Get 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: May cause irritation or respiratory tract.

Ingestion: May cause gastrointestinal irritation, nausea. Glycol ether has a toxic effect on the red blood cells.

Eyes: Causes irritation.

Skin: May cause irritation. Glycol ether may be absorbed through skin.

**PREVENTIVE MEASURES**

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

Flush with water and mop up.

Waste disposal method:

Dispose in accordance with federal, provincial and local regulations.

Handling and Storage Requirements:

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

Ventilation Requirements (Local or General):

Use under well ventilated area.

Respiratory Protection:

A mask may be worn.

Eye Protection:

Safety glasses with sideshield.

Other Protection:

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

Prepared by: Technical Services Department, Ostrem Chemical Co. Ltd., Ph: (780) 440-1911