

# MATERIAL SAFETY DATA SHEET

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## SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: KleenOut EFFECTIVE DATE: December 1, 2011

WHMIS CLASS: Class E - Corrosive Material CODE NO. 7288  
Class D - Division 2B

T.D.G. CLASSIFICATION: Not regulated under TDG

MANUFACTURER NAME AND ADDRESS: BRODI SPECIALTY PRODUCTS LTD.  
3175 14th AVE, UNIT 1  
MARKHAM, ONTARIO L3R 0H1  
(905) 475-6084

MSDS PREPARED BY: MSDS CO-ORDINATOR, (877) 744-0751 EXT 205, BRODI SPECIALTY PRODUCTS LTD

EMERGENCY PHONE: CANUTEC (613) 996 6666

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS#	WT%	ACGIH-TLV	LC50	LD50
Ethylene glycol mono-butyl ether	111-76-2	1-5	25 ppm TWA	500 ppm 4hr (Rat)	200 mg/kg (Dermal Rabbit)
D'Limonene	5989-27-5	1-5	Not available	Not available	>5 g/kg (Oral Rat)
Ethoxylated Alcohol	68439-45-2	1-5	Not available	Not available	5.1 g/kg(Oral Rat)

## SECTION III- PHYSICAL DATA

BOILING POINT (DEG C):	100	SPECIFIC GRAVITY (H2O=1):	1.0150
VAPOUR PRESSURE (mm Hg):	Not available	PERCENT VOLATILE (WT%):	>85%
VAPOUR DENSITY (AIR=1):	Similar	EVAPORATION RATE (Water=1):	Similar
SOLUBILITY IN WATER:	Soluble	PH (AS SUPPLIED):	12.0-13.0
PHYSICAL STATE:	Liquid	VISCOSITY:	Not available
APPEARANCE AND ODOUR:	Clear, light orange citrus odour.		

## SECTION IV- FIRE AND EXPLOSION DATA

FLAMMABILITY: Not flammable

FLASH POINT: Not applicable

LEL: Not available

UEL: Not available

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.

MEANS OF EXTINCTION: Treat for surrounding material.

SPECIAL FIRE HAZARDS: None known at this time.

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**SECTION V- REACTIVITY DATA**

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CONDITIONS FOR CHEMICAL INSTABILITY: Stable  
 INCOMPATIBILITY: Strong oxidizing agents  
 HAZARDOUS DECOMPOSITION: Not applicable

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**SECTION VI- TOXICOLOGICAL PROPERTIES**

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ROUTE OF ENTRY: Eye, skin contact, inhalation, ingestion

**EFFECTS OF ACUTE EXPOSURE:**

EYE: Contact can cause severe irritation, reddening and swelling of tissues around the eye.  
 SKIN: Contact can cause moderate to high irritation.  
 INHALATION: Can cause nose, throat and respiratory tract irritation, coughing and headache.  
 INGESTION: May cause vomiting, headache and medical problems.

**EFFECTS OF CHRONIC EXPOSURE:**

SKIN: Prolonged or repeated exposure can cause drying, defatting and dermatitis. (Ethylene glycol mono-butyl ether) Can be absorbed through the skin in toxic amounts, if contact is repeated and prolonged.  
 IRRITANCY: Hazardous by WHMIS Criteria  
 RESPIRATORY TRACT SENSITIZATION: No data available  
 CARCINOGENIC EFFECTS: Insufficient data available  
 TERATOGENIC EFFECTS: Insufficient data available  
 MUTAGENIC EFFECTS: Insufficient data available  
 SYNERGISTIC MATERIALS: Not available

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**SECTION VII-PREVENTATIVE MEASURES**

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GLOVES: Latex rubber, Natural rubber, Polyethylene.  
 EYE PROTECTION: Safety glasses to avoid possible contact.  
 RESPIRATORY PROTECTION: Not normally required if good ventilation is maintained.  
 OTHER PROTECTIVE EQUIPMENT: As required by employer codes.  
 ENGINEERING CONTROLS: General ventilation is normally adequate.  
 LEAK AND SPILL PROCEDURE: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered-labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.  
 WASTE DISPOSAL: Review federal, provincial and local government requirements prior to disposal.  
 STORAGE REQUIREMENTS: Store in closed containers. Store away from incompatible materials. Store in a cool, dry well-ventilated area.

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**SECTION VIII- FIRST AID**

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EYE: Flush with water for 15 minutes. If irritation persists, seek medical attention.  
 SKIN: Rinse with soap and water. Call a doctor if irritation develops and persists  
 INHALATION: Remove to fresh air. If symptoms persist, call a doctor.  
 INGESTION: Do not induce vomiting. Rinse mouth with water; drink two or more glasses of water. Contact a doctor immediately.  
 Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

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