

Material Safety Data Sheet

Enviro-Cut ES

Material Identification and Use

MANUFACTURER'S NAME..... **Greenland Corporation**
MANUFACTURER'S ADDRESS..... **7016 – 30 St SE**
Calgary, AB., CANADA
T2C 1N9
EMERGENCY PHONE NUMBER..... **1-800-598-7636**
SUPPLIER IDENTIFIER..... **Chemical Industries, Inc.**
SUPPLIER'S ADDRESS..... **49 Voyager Court North**
Etobicoke, ON M9W 4Y6
SUPPLIER'S EMERGENCY PHONE NUMBER.....
PRODUCT IDENTIFIER..... **GREENPLUS Enviro-Cut ES**
PRODUCT USE..... **Cutting Oil**

Hazardous Ingredients of Materials

Chemical Identify	Concentration	CAS# / NA# / UN#	LD (50)	LC (50)
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This is not a WHMIS controlled product.

Physical Data For Product

PHYSICAL STATE..... Liquid
ODOUR AND APPEARANCE..... Dark Brown, Distinctive
ODOUR THRESHOLD..... N / E
SPECIFIC GRAVITY..... .887
VAPOUR PRESSURE..... N / E
VAPOUR DENSITY (air = 1)..... N / E
EVAPOURATION RATE..... N / E
BOILING POINT..... >300°C
POUR POINT..... -36°C
pH..... 7.0 - 7.2
DENSITY (g/ml)..... N / E
COEFFICIENT OF WATER / OIL DISTRIBUTION..... N / E

Fire and Explosion Hazard of Product

CONDITIONS OF FLAMMABILITY..... Open flame, above flashpoint
MEANS OF EXTINCTION..... Foam, CO₂, Dry Chemical, Water spray
FLASHPOINT AND METHOD OF DETERMINATION..... 290°C C.O.C.
UPPER EXPLOSION LIMIT (% by volume)..... N / E
LOWER EXPLOSION LIMIT (% by volume)..... N / E
AUTO-IGNITION TEMPERATURE..... N / E
FLAMMABILITY CLASSIFICATION..... N / E

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HAZARDOUS COMBUSTION PRODUCTS.....	Toxic fumes may evolve on burning
EXPLOSION DATA.....	N / E
SENSITIVITY TO STATIC DISCHARGE.....	None

Reactivity Data

CHEMICAL STABILITY.....	Stable
INCOMPATIBLE MATERIALS.....	None
CONDITIONS OF REACTIVITY.....	None
HAZARDOUS DECOMPOSITION PRODUCTS.....	Oxides of sulphur, Carbon

Toxicological Properties of Product

ROUTES OF ENTRY	
SKIN CONTACT.....	Wash with soap and water
SKIN ABSORPTION.....	None
EYE.....	Flush with water for 15 minutes
INHALATION.....	No hazard during normal use
INGESTION.....	Not Toxic
ACUTE OVER EXPOSURE EFFECTS.....	Inhalation: Not hazardous unless burning toxic fumes possible. Ingestion: Greater than 5000 mg/kg in rats. Eyes: No irritation expected. Skin: No irritation or allergic reaction expected.
CHRONIC OVER EXPOSURE EFFECTS.....	Same as above
EXPOSURE LIMITS.....	N/A
IRRITANCY OF PRODUCT.....	Non-irritant
SENSITIZATION TO MATERIAL.....	None
CARCINOGENICITY, REPRODUCTIVE EFFECTS.....	None
TERATOGENICITY, MUTAGENICITY.....	None
TOXICOLOGICALLY SYNERGISTIC PRODUCTS.....	None

Preventive Measures

PERSONAL PROTECTIVE EQUIPMENT.....	None
SPECIFIC ENGINEERING CONTROLS.....	None
LEAK AND SPILL PROCEDURES.....	Although product is environmentally safe, spills should be contained and picked up
WASTE DISPOSAL.....	Disposal shall be in compliance with Federal, Provincial and Local regulations
HANDLING PROCEDURES AND EQUIPMENT.....	None
STORAGE REQUIREMENTS.....	None
SPECIAL SHIPPING INFORMATION.....	None

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First Aid Measures

SPECIFIC FIRST AID PROCEDURES..... AS A PROCAUTION FLUSH EYES WITH ABUNDANT WATER. WASH SKIN WITH SOAP AND WATER. IN CASE OF INGESTION, DO NOT INDUCE VOMITING. CALL A PHYSICIAN. PRODUCT IS NOT TOXIC.

Preparation of Material Safety Data Sheet

PREPARED BY..... Engineering Group
PHONE NUMBER OF PREPARER..... 1-800-598-7636
DATE PREPARED..... January 17, 2013

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