

Material Safety Data Sheet

Greenplus Tapping Oil 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.....	
SUPPLIER'S ADDRESS.....	
SUPPLIER'S EMERGENCY PHONE NUMBER.....	
PRODUCT IDENTIFIER.....	GREENPLUS Tapping ES
PRODUCT USE.....	Non-Soluble Cutting Oil

Hazardous Ingredients of Materials

Chemical Identify	Concentration	CAS# / NA# / UN#	LD (50)	LC (50)
This is not a WHMIS controlled product.				>40,000 PPM Fingerling Rainbow Trout

Physical Data For Product

PHYSICAL STATE.....	Liquid
ODOUR AND APPEARANCE.....	Dark Brown, Distinctive
ODOUR THRESHOLD.....	N / A
SPECIFIC GRAVITY.....	.889
VAPOUR PRESSURE.....	N / A
VAPOUR DENSITY (air = 1).....	N / A
EVAPOURATION RATE.....	N / A
BOILING POINT.....	>300°C
POUR POINT.....	-36°C
pH.....	7.0 - 7.2
DENSITY (g/ml).....	N / A
COEFFICIENT OF WATER / OIL DISTRIBUTION.....	N / A

Fire and Explosion Hazard of Product

CONDITIONS OF FLAMMABILITY.....	Open flame, above flashpoint
MEANS OF EXTINCTION.....	Foam, CO ₂ , Dry Chemical, Water spray
FLASHPOINT AND METHOD OF DETERMINATION.....	279°C C.O.C.
UPPER EXPLOSION LIMIT (% by volume).....	N / A
LOWER EXPLOSION LIMIT (% by volume).....	N / A
AUTO-IGNITION TEMPERATURE.....	N / A
FLAMMABILITY CLASSIFICATION.....	N / A

Material Safety Data Sheet

Greenplus Tapping ES

HAZARDOUS COMBUSTION PRODUCTS.....	Toxic fumes may evolve on burning
EXPLOSION DATA.....	N / A
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.....	None
SKIN ABSORPTION.....	None
EYE.....	None
INHALATION.....	None
INGESTION.....	None
ACUTE OVER EXPOSURE EFFECTS.....	None
CHRONIC OVER EXPOSURE EFFECTS.....	None
EXPOSURE LIMITS.....	LD 50 >5000 ml / kg
IRRITANCY OF PRODUCT.....	None
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

Material Safety Data Sheet

Greenplus Tapping ES

First Aid Measures

SPECIFIC FIRST AID PROCEDURES..... AS A PRECAUTION, 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

The information contained herein is based on data believed to be reliable, but is presented without guaranty or warranty and Greenland Corporation disclaims any liability incurred from the use thereof.