

Material Safety Data Sheet

Greenplus Hydraulic Fluid ES

Material Identification and Use

MANUFACTURER'S NAME..... **Greenland Corporation**
MANUFACTURER'S ADDRESS..... **7016 – 30 St SE**
Calgary, AB., CANADA
T2C 1N9
1-800-598-7636

EMERGENCY PHONE NUMBER.....
SUPPLIER IDENTIFIER.....
SUPPLIER'S ADDRESS.....
SUPPLIER'S EMERGENCY PHONE NUMBER.....
PRODUCT IDENTIFIER..... **GREENPLUS HYDRAULIC**
FLUID ES
PRODUCT USE..... **Lubricant**

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..... .910
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, CO₂, 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 Hydraulic Fluid 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,	
regulations	Provincial and Local
HANDLING PROCEDURES AND EQUIPMENT.....	None
STORAGE REQUIREMENTS.....	None
SPECIAL SHIPPING INFORMATION.....	None

Material Safety Data Sheet

Greenplus Hydraulic Fluid ES

First Aid Measures

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

Preparation of Material Safety Data Sheet

PREPARED BY.....	Engineering Group
PHONE NUMBER OF PREPARER.....	1-800-598-7636
DATE PREPARED.....	January 20, 2005

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.