



Material Safety Data Sheet

BioArmor

Section 1 – Company Identification

Eastern Greenway Oils Inc.
908, Route 590
Waterville, NB E7P 1C4

Product Information 1-506-375-6608

**IN CASE OF A DANGEROUS GOODS EMERGENCY
CALL CANUTEC AT THE 24-HOUR NUMBER
613-996-6666**

Section 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients:</u>	<u>CAS Number</u>
Proprietary Ingredients	N/A
2-Ethylhexyl Nitrate	27247-96-7
2-Ethylhexyl Alcohol	104-76-7
Detergent	N/A
Heavy Aromatic Naphtha	64742-94-5
*Ethylene Glycol N-Butyl Ether	111-76-2
Light Ends of Polyethylbenzene Residue	178535-25-6
Naphtha (Petroleum) Hydrotreated heavy	64742-48-9

<u>Non-Hazardous Ingredients</u>	<u>CAS Number</u>
Methyl Ester from lipid sources (Product may contain any of the following)	
Methyl Soyate	67784-80-9
Rapeseed Methyl Ester (RME)	73891 -99-3
Methyl Tallowate	61788-71-2
Mustard Methyl Ester (MME)	N/A

Section 3 – HAZARDOUS IDENTIFICATION

Potential Health Effects:

INHALATION:

Negligible, unless heated to produce vapors. Vapors or finely misted materials may irritate the mucous membranes and cause irritation, dizziness, and nausea. Remove to fresh air.

EYE CONTACT:

May cause irritation. Irrigate eye with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.

**SKIN CONTACT:**

Prolonged or repeated contact is not likely to cause significant skin irritation. Material is sometimes encountered at elevated temperatures. Thermal burns are possible.

INGESTION:

No hazards anticipated from ingestion incidental to industrial exposure.

Section 4 – FIRST AID MEASURES**EYES:**

Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes.

SKIN:

Wash exposed areas of the body with soap and water.

INHALATION:

Remove from area of exposure; seek medical attention if symptoms persist.

INGESTION:

Give one or two glasses of water to drink. If gastro-intestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person.)

Section 5 – FIRE FIGHTING MEASURES

Flash Point (Method Used): 130.0° C min (ASTM 93)

Flammability Limits: None known

EXTINGUISHING MEDIA:

Dry chemical, foam, halon, CO₂, water spray (fog). Water stream may splash the burning liquid and spread fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Use water spray to cool drums exposed to fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Oil soaked rags can cause spontaneous combustion if not handled properly. Before disposal, wash rags with soap and water and dry in well ventilated area. Firefighters should use a self-contained breathing apparatus to avoid exposure to smoke and vapor.

Section 6 – ACCIDENTAL RELEASE MEASURES/SPILL CLEAN-UP PROCEDURES

Remove sources of ignition, contain spill to smallest area possible. Stop leak if possible. Pick up small spills with absorbent materials such as paper towels, *Oil Dry*, sand or dirt. Recover large spills for salvage or disposal. Wash hard surfaces with



safety solvent or detergent to remove remaining oil film. Greasy nature will result in a slippery surface.

Section 7 – HANDLING AND STORAGE

Store in closed containers between 50°F and 120°F. Keep away from oxidizing agents, excessive heat, and ignition sources. Store and use in well-ventilated areas. Do not store or use near heat, spark, or flame, store out of sun. Do not puncture, drag, or slide this container. Drum is not a pressure vessel; never use pressure to empty.

Section 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

If vapors or mists are generated, wear a NIOSH approved organic vapor/mist respirator.

PROTECTIVE CLOTHING:

Safety glasses, goggles, or face shield are recommended to protect eyes from mists or splashing. PVC coated gloves are recommended to prevent skin contact.

OTHER PROTECTIVE MEASURES:

Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point, 760 mm Hg:>200°C Volatiles, % by Volume: <2 Specific Gravity (H₂O=1): 0.88 Solubility in H₂O, % by Volume: Insoluble

Vapor Pressure, mm Hg: <2 Evaporation Rate, Butyl Acetate=1: <1

Vapor Density, Air=1: >1

Appearance and Odor: pale yellow liquid, mild odor

Section 10 – STABILITY AND REACTIVITY

GENERAL:

This product is stable and hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion produces carbon monoxide, carbon dioxide along with thick smoke.



Section 11 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Waste may be disposed of by a licensed waste disposal company. Contaminated absorbent material may be disposed of in an approved landfill. Follow local, state and federal disposal regulations.

Section 12 – TRANSPORT INFORMATION

DOT

Proper Shipping Name	Flammable Liquid, n.o.s (2-Ethylhexyl Nitrate, Heavy Aromatic Naphtha)
Hazard Class	3
UN No	NA 1993
Packing Group	III
Special Information	Flash Point: 70 degrees Celsius
Marine Pollutant	2-Ethylhexyl Nitrate
Reportable Quantity	No
DOT Label(s)	Combustible Liquid

IMO

Proper Shipping Name	Environmentally Hazardous Substance, n.o.s (2-Ethylhexyl Nitrate)
Hazard Class	9
UN No	3082
Packing Group	III
Marine Pollutant	2-Ethylhexyl Nitrate
Special Information	Flash Point: 70 degrees Celsius



Section 13 – OTHER INFORMATION

This information relates only to the specific material designated, and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, expressed or implied, is made as to its accuracy, reliability or completeness, and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of its use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

Responsibility for MSDS: MSDS Coordinator, Eastern Greenway Oils Inc.

Revised September 2007