

DURATHERM SYNTHETIC GEAR LUBRICANTS

MATERIAL SAFETY DATA SHEET

Emergency Phone Number: 800-446-4910

Date : April 1, 2007

SECTION 1

Company Name:
Address:
Phone / Fax:
Trade Name:
Chemical Name:
Chemical Family:
Formula:
CAS#:
Applications:

COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

Frontier Resource and Recovery Services, Inc.
P.O. Box 563, Lewiston, NY 14092
800-446-4910 / 905-984-6684
Duratherm Gear Lubricant
Synthetic Petroleum Hydrocarbon / Diester
Synthetic Petroleum Hydrocarbon / Diester
Proprietary
Proprietary
Duratherm Gear Lubricant is used as an Industrial Gear Lubricant.

SECTION 2

General:
FDA Statement:

COMPOSITION / INFORMATION ON INGREDIENTS

This Product is Non - Hazardous. This Product contains No Known Carcinogens. No special warning labels are required under OSHA 29 CFR 1910.1200.
N/A

SECTION 3

Appearance:
Known Hazards:

HAZARDS IDENTIFICATION

Clear liquid, Yellow Tint
This product does not require any special warning labels under OSHA 29 CFR 1910.1200, and contains no known hazardous ingredients.

SECTION 4

Eyes:
Skin:
Inhalation:
Ingestion:

FIRST AID MEASURES

Flush with clean, lukewarm water (low pressure) occasionally lifting eyelids. Physician assessment if eyes are inflamed.
Wash affected areas thoroughly with soap and water. Wash contaminated clothing before reuse.
Avoid breathing oil mists. Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if breathing is difficult. Get medical attention.
Do not induce vomiting. Force fluid. Has laxative effect.

SECTION 5

Flash Point:
Flammable Limits:
Auto Ignition Temp:
Fire & Explosion Hazards:
Extinguishing Media:
Fire Fighting Procedures:

FIRE FIGHTING MEASURES

450 °F min
N/A
N/A
LOW FIRE HAZARD - Do not cut, drill, or weld empty containers
Dry chemical foam, water spray, carbon dioxide for small fires
Contain liquid, cover with extinguishing agent, use water spray to cool fire exposed containers & as protective screen. Do not point solid water stream directly into burning fluid to avoid spreading.

SECTION 6

Spill or Leak:
Waste Disposal:

ACCIDENTAL RELEASE MEASURES

Contain spill, absorb with inert absorbants such as dry clay, sand, or diatomaceous earth, commercial absorbants, or recover using pumps. Scoop up used absorbants into appropriate receptacles.
Dispose in approved, secure landfill site or through a licensed waste reclaimer.

SECTION 7

Storage Temp - min / max:
Shelf Life:
Precautions:

HANDLING AND STORAGE

None / 104 °F Recommended.
Indefinite in original container
Not for internal use. Avoid contact with skin, eyes, and clothing.

SECTION 8

Eye Protection:

EXPOSURE CONTROL / PERSONAL PROTECTION

Normally none required, chemical goggles if splashing is likely or high pressure systems are used.

Skin Protection:

For direct contact of more than 2 hours, PVC, Viton, or Nitrile gloves are recommended.

Respiratory Protection:

Normally not necessary. If mist is generated, wear approved organic vapor respirator suitable for oil mist areas with sufficient oxygen.

Ventilation:

General ventilation.

Exposure Limits:

Acute LD₅₀ >5000 mg/Kg (rat, Oral) Practically Non-Toxic.

SECTION 9

Appearance:

PHYSICAL AND CHEMICAL PROPERTIES

Clear liquid, Yellow Tint

Boiling Point:

>570 °F

Vapor Pressure:

<0.001 kPa @ 25 °C

Specific Gravity:

0.85 - 0.90

Volatilities, % Volume

0%

Odor:

Hydrocarbon Odor

Solubility in Water:

Negligible

Evaporation Rate:

Nil

Viscosity:

@ 40 °C Varies Depending on grade

SECTION 10

Stability:

REACTIVITY

Product is stable

Hazardous Polymerization:

Will not occur

Incompatibilities:

Strong oxidizers

Decomposition Products:

Analogous compounds evolve, carbon monoxide, carbon dioxide, and other undefined fragments when burned.

SECTION 11

General:

TOXICOLOGICAL INFORMATION

Acute LD₅₀ >5000 mg/Kg (rat, Oral). Practically Non-Toxic. Negative when tested by modified Ames Test for Carcinogenicity.

SECTION 12

General:

ECOLOGICAL INFORMATION

N/A

SECTION 13

Waste Disposal:

DISPOSAL CONSIDERATIONS

Used product must be disposed of in accordance with Federal, State, and Local environmental control regulations. Incineration is preferred.
DO NOT HEAT OR CUT EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.

SECTION 14

Technical Name:

TRANSPORTATION INFORMATION

Synthetic Petroleum Hydrocarbon / Diester

D.O.T. Hazard Class:

Not Regulated

U.N. / N.A. #

Not Regulated

Product Label:

Duratherm Gear Lubricant

SECTION 15

OSHA STATUS:

REGULATORY INFORMATION

Not hazardous under 29 CFR 1910.1200.

TSCA STATUS:

N/A

RCRA STATUS:

If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic. However, it is the responsibility of the product user to determine at the time of disposal, whether the material being disposed of is a hazardous waste. (40 CFR 261.20-24)

HMIS(U.S.A.)

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	B

NFPA (U.S.A.)



Rating	0 Insignificant
	1 Slight
	2 Moderate
	3 High
	4 Extreme

SECTION 16

General:

OTHER INFORMATION

This information is furnished without warranty expressed or implied, except that it is accurate to the best knowledge of Frontier Resource and Recovery Services, Inc.. The data on this sheet related only to the specific material designed herein. Frontier Resource and Recovery Services, Inc. assumes no legal responsibility for the use or reliance upon these data.