

DURATHERM XLT

Material Safety Data Sheet

Emergency Phone Number: 800-446-4910

Date : May 31, 2006

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 XLT High Temperature Heat Transfer Fluid
Synthetic Hydrocarbon Blend
Synthetic Hydrocarbon Blend
Proprietary
Proprietary
Duratherm XLT Heat Transfer Fluid is for use as a heat transfer fluid in various applications.

SECTION 2

General:
FDA Statement:

COMPOSITION / INFORMATION ON INGREDIENTS

The product contains No Known Carcinogens. Mixture is considered a skin and eye irritant.
N/A

SECTION 3

Appearance:
Known Hazards:

HAZARDS IDENTIFICATION

Clear liquid, Very Slight Yellow Tint
Mixture is considered a skin and eye irritant.

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

210 °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:
Skin Protection:
Respiratory Protection:

Ventilation:
Exposure Limits:

EXPOSURE CONTROL / PERSONAL PROTECTION

Chemical goggles if splashing is likely or high pressure systems are used.
For direct contact of more than 2 hours, Viton or Nitrile is recommended.
Normally not necessary. If mist is generated, wear approved organic vapor respirator suitable for oil mist areas with sufficient oxygen.
General ventilation.
Recommended Occupational Exposure Limit 100 PPM (8 hours)

SECTION 9

Appearance:
Boiling Point:
Vapor Pressure:
Specific Gravity:
Volatilities, % Volume
Odor:
Solubility in Water:
Evaporation Rate:
Viscosity:

PHYSICAL AND CHEMICAL PROPERTIES

Clear liquid, Very Slight Yellow Tint
>255 °F
<0.003 kPa @ 25 °C
0.84 - 0.92
0%
Slight Hydrocarbon Odor/Citrus
Negligible
Nil
@40 °C varies depending on grade.

SECTION 10

Stability:
Hazardous Polymerization:
Incompatibilities:
Decomposition Products:

REACTIVITY

Product is stable
Will not occur
Strong oxidizers
Analogous compounds evolve, carbon monoxide, carbon dioxide, and other undefined fragments when burned.

SECTION 11

General:

TOXICOLOGICAL INFORMATION

Harmful if swallowed. Negative when tested by modified Ames Test For Carcinogenicity

SECTION 12

General:

ECOLOGICAL INFORMATION

Biodegradable CEC L33T82 > 80% @ 28 Days

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:
D.O.T. Hazard Class:
U.N. / N.A. #
Product Label:

TRANSPORTATION INFORMATION

Synthetic Hydrocarbon Blend
Not Regulated
Not Regulated
Duratherm XLT Heat Transfer Fluid

SECTION 15

OSHA STATUS:
TSCA STATUS:
RCRA STATUS:

REGULATORY INFORMATION

Not hazardous under 29 CFR 1910.1200.
N/A
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)

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.