

# DURATHERM 630

## MATERIAL SAFETY DATA SHEET

Emergency Phone Number: 800-446-4910

Date : April 1, 2007

### SECTION 1

**Company Name:** Frontier Resource and Recovery Services, Inc.  
**Address:** P.O. Box 563, Lewiston, NY 14092  
**Phone / Fax:** 800-446-4910 / 905-984-6684  
**Trade Name:** Duratherm High Temperature Heat Transfer Fluid  
**Chemical Name:** Paraffinic Hydrocarbon  
**Chemical Family:** Paraffinic Hydrocarbon  
**Formula:** Proprietary  
**CAS#:** Proprietary  
**Applications:** Duratherm High Temperature Heat Transfer Fluid is for use as a heat transfer fluid in various applications.

### COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

### SECTION 2

**General:** This Product is Non-Hazardous. The product contains No Known Carcinogens. No special warning labels are required under OSHA 29 CFR 1910.1200.  
**FDA Statement:** N/A

### COMPOSITION / INFORMATION ON INGREDIENTS

### SECTION 3

**Appearance:** Clear liquid,  
**Known Hazards:** This product does not require any special warning labels under OSHA 29 CFR 1910.1200, and contains no known hazardous ingredients.

### HAZARDS IDENTIFICATION

### SECTION 4

**Eyes:** Flush with clean, lukewarm water (low pressure) occasionally lifting eyelids. Physician assessment if eyes are inflamed.  
**Skin:** Wash affected areas thoroughly with soap and water. Wash contaminated clothing before reuse.  
**Inhalation:** 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.  
**Ingestion:** Do not induce vomiting. Force fluid. Has laxative effect.

### FIRST AID MEASURES

### SECTION 5

**Flash Point:** 430 °F min  
**Flammable Limits:** N/A  
**Auto Ignition Temp:** N/A  
**Fire & Explosion Hazards:** LOW FIRE HAZARD - Do not cut, drill, or weld empty containers  
**Extinguishing Media:** Dry chemical foam, water spray, carbon dioxide for small fires  
**Fire Fighting Procedures:** 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.

### FIRE FIGHTING MEASURES

### SECTION 6

**Spill or Leak:** 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.  
**Waste Disposal:** Dispose in approved, secure landfill site or through a licensed waste reclaimer.

### ACCIDENTAL RELEASE MEASURES

**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:

**EXPOSURE CONTROL / PERSONAL PROTECTION**

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

Ventilation:  
Exposure Limits:

General ventilation.  
Acute LD<sub>50</sub> > 5000 mg/Kg (rat, Oral) Practically Non-Toxic

**SECTION 9**

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

**PHYSICAL AND CHEMICAL PROPERTIES**

Clear liquid  
>570 °F  
<0.003 kPa @ 25 °C  
0.84 - 0.92  
0%  
Very Slight Hydrocarbon Odor  
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**

Acute LD<sub>50</sub> > 5000 mg/Kg (rat, Oral) Practically Non-Toxic. Negative when tested by modified Ames Test For Carcinogenicity

**SECTION 12**

General:

**ECOLOGICAL INFORMATION**

No data available

**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**

Paraffinic Hydrocarbon  
Not Regulated  
Not Regulated  
Duratherm High Temperature Heat Transfer Fluid

**SECTION 15**

OSHA STATUS:  
TSCA STATUS:  
RCRA STATUS:

**REGULATORY INFORMATION**

Not hazardous under 29 CFR 1910.1200.  
Ingredient(s) are listed.  
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**

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