

DURACLEAN Ultra

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
Duraclean Ultra Carbon Cleaner
Petroleum Hydrocarbon and Terpene mixture
Petroleum Hydrocarbon and Terpene mixture
Proprietary
ProprietaryDuraClean
DuraClean Ultra is used as a cleaner for Heat Transfer Equipment.

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.
The product contains No Known Carcinogens. 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 fluids.

SECTION 5

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

FIRE FIGHTING MEASURES

Liquid 205°F min
N/A
458°F Estimated
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 and 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 absorbent such as dry clay, sand, or diatomaceous earth, commercial sorbents or recover using pumps. Scoop up used absorbents into approved 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
1 year
Not for internal use. Avoid contact with skin, eyes, clothing.

SECTION 8

Eye Protection:
Skin Protection:

Respiratory Protection:
Ventilation:

EXPOSURE CONTROL / PERSONAL PROTECTION

Chemical goggles or splash proof face shield.
Wear chemical resistant gloves, avoid contact with skin.
Normally not necessary. If mist is generated, wear approved organic respirator suitable for oil mist areas with sufficient oxygen.
General ventilation.

Exposure Limits:

Recommended Occupational Exposure Limit 100 PPM (8Hrs)

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.
>250 °F
NA
0.85-0.93
100%
Citrus odor
Negligible
Rapid
@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 / Synthetic Terpene Blend
N/A
Duraclean Carbon Cleaner

SECTION 15

OSHA STATUS:
TSCA STATUS:
RCRA STATUS:

REGULATORY INFORMATION

Not hazardous under 29 CFR 1910.1200.
All components in this formulation are listed on the TSCA Inventory.
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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