MATERIAL SAFETY DATA SHEET

CHEMTREC 24-HOUR EMERGENCY RESPONSE
TOLL FREE NUMBER: (800) 424-9300
INTERNATIONAL CALLS: COLLECT (703) 527-3887
CHEMTREC should only be contacted in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

1. PRODUCT NAME
BIOACT® VSO Cleaner

2. HAZARDOUS INGREDIENTS
None applicable

3. HAZARDS IDENTIFICATION
SYMPTOMS/EFFECTS OF OVEREXPOSURE
Inhalation: High vapor concentration may cause headaches and stupor.
Ingestion: Low order of toxicity. May cause irritation of the stomach and intestines resulting in nausea and vomiting.
Skin: Repeated or prolonged contact with skin may cause irritation, reddening and dermatitis.
Eyes: Contact with eyes may cause slight irritation.
Listed Carcinogens: None

4. FIRST AID MEASURES
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
Ingestion: Do not induce vomiting. Seek medical attention.
Skin: Remove contaminated clothing. Thoroughly wash affected area with soap and water; use skin cream if irritation is severe.
Eyes: Immediately flush eyes with water for 15 minutes. Call a physician if irritation persists.

5. FIRE FIGHTING MEASURES
Extinguishing Media: Dry chemical, chemical foam, carbon dioxide. Class BC, ABC fire extinguisher.
Special Fire Fighting Procedures: Self-contained positive pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.
Unusual Fire and Explosions Hazard: None known.

6. ACCIDENTAL RELEASE MEASURES
Absorb spill with inert material, then place in chemical waste container. For large spills, dike for later disposal. Observe government regulations.
BIOACT VSO Cleaner

7. HANDLING AND STORAGE
Store in original container, preferably in a cool, ventilated, fire-resistant building. Avoid overheating or freezing. Avoid open flames and sparks. Since empty containers may retain product residues (vapor, liquid, or solid) all label precautions must be observed.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION
Respiratory: Use NIOSH/MSHA approved respirator if ventilation is not sufficient and if mists are generated.
Ventilation: If desirable to reduce odor, mechanical (general) ventilation should have an airflow of 55 CFM. Local exhaust can also be effective in minimizing odor.
Clothing/Glove: Chemically resistant gloves should be used with all industrial chemicals.
Eye Protection: Safety glasses/goggles are recommended. Provide eye bath near work site.

9. PHYSICAL AND CHEMICAL PROPERTIES
Boiling Point (760 mm Hg): 464°-505°F (240°-263°C)
% Volatile (By Weight): Not determined
Specific Gravity (H₂O = 1): 0.82 @ 77°F (25°C)
Vapor Pressure (20°C): 0.1 mm Hg
Vapor Density (Air = 1): > 1
Evaporation Rate (BUAC = 1): < 1
Solubility in Water: Insoluble
Appearance and Odor: Water-white to light yellow liquid with a mild hydrocarbon odor
Flammable Limits (% By Volume in Air):
LEL: 0.5
UEL: 4.7

10. STABILITY AND REACTIVITY
Stability: BIOACT VSO is stable.
Conditions to Avoid: Temperatures above 464°F (240°C).
Incompatibility: Strong oxidizing agents, strong acids, strong bases.
Hazardous Decomposition Products: None, other than normal products of combustion.
Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION
Not available.

12. ECOLOGICAL INFORMATION
Not available.

13. DISPOSAL CONSIDERATIONS
Waste treat or incinerate used material in compliance with all applicable government regulations.

14. TRANSPORT INFORMATION
Non-regulated.
BIOACT VSO Cleaner

15. REGULATORY INFORMATION
None of the components of BIOACT VSO appears on any of the EPA's lists of toxic or hazardous substances, or on the SARA 313 toxic chemicals list (40 CFR 372.65).

None of the components of this product is listed in California's Safe Drinking Water and Toxic Enforcement Act of 1986 – Proposition 65 as a chemical known to cause cancer, birth defects, or other reproductive harm.

Canadian WHMIS Classification: This product is not a controlled product.

All the components of this product are listed on the TSCA inventory.

None of the components of this product is listed in the Threshold Limit Values and Biological Exposure Indices compiled by the American Conference of Governmental Industrial Hygienists.

16. OTHER INFORMATION
NFPA Codes: Health: 1 Fire: 1 Reactivity: 0