



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

Product Name: Bio-Hydraulic
Bio-Rockdrill
Bio-Stalube
Product Class: Biodegradable Lubricants
WHMIS Classification: Not Classified

Supplier Name and Address: COASTAL Blending & Packaging
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SECTION 2 - HAZARDOUS INGREDIENTS OF MATERIALS

<u>Hazardous Ingredients</u>	<u>CAS#</u>	<u>wt%</u>	<u>ACGIH-TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
None					

SECTION 3 - PHYSICAL DATA AND CHEMICAL PROPERTIES

Form: Liquid
Colour: Bio-Hydraulic: Yellow
Bio-Rockdrill: Brown
Bio-Stalube: Red
Odour: Mild
Specific Gravity @ 15°C: 0.92
Solubility: Negligible

SECTION 4 - FIRE AND EXPLOSION HAZARD

Flammability: Yes No
Flash Point : > 275°C (COC)

Conditions: Open flame above flash point.

Upper Flammable Limit:	Not established.	Lower Flammable Limit:	Not established.
Auto Ignition Temperature:	> 300°C	TDG Flammability Classification:	Not classified.
Sensitivity to Impact:	None.	Sensitivity to Static Discharge:	None.

Means of Extinction: Dry chemical, water spray (fog), foam or carbon dioxide.
Hazardous Combustion Products: Hydrogen sulphide and oxides of carbon, nitrogen, sulphur and phosphorus.
Special Procedures: Water foam may cause frothing. Use water to cool exposed containers. Use self-contained breathing apparatus for fire fighting.

SECTION 5 - REACTIVITY DATA

Stability: This product is stable.
Hazardous Polymerisation: Will not occur.
Conditions to avoid: Extremely high temperatures.
Incompatibility with other substances: Strong oxidising agents.
Hazardous decomposition products: Thermal decomposition from high temperature or combustion will produce hydrogen sulphide and oxides of carbon, nitrogen, sulphur and phosphorus.

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SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye Skin Contact Skin Absorption Inhalation Ingestion

Effects of Acute Exposure: Inhalation of hot oil mist or vapours may irritate the upper respiratory tract.
Effects of Chronic Exposure: Repeated or prolonged exposure may cause dermatitis and/or oil acne. Long-term intensive exposure to oil mist may cause benign lung fibrosis. No specific toxicity data but extrapolation from similar materials indicates that this product has low oral toxicity.

Exposure Limits:	5 mg/m ³ (oil mist)	Carcinogenicity:	Not determined.
Reproductive Toxicity:	Not determined.	Teratogenicity:	Not determined.
Irritancy of Product:	Not determined.	Mutagenicity:	Not determined.

SECTION 7 - PREVENTATIVE AND CORRECTIVE MEASURES

Personal Protective Equipment:

<i>Gloves:</i>	Oil/Chemical resistant.
<i>Eye:</i>	Chemical safety glasses or full face shield.
<i>Respiratory:</i>	NOISH respirator if mist levels are high.
<i>Footwear:</i>	Oil/Chemical resistant.
<i>Clothing:</i>	Oil/Chemical resistant if repeated exposure to skin and clothing occurs.
<i>Other:</i>	

Engineering Controls: Local exhaust at source of heated vapours.
Leak and Spill Procedure: Contain spills with dikes or absorbent material. Eliminate fire hazards. Prevent from entering sewers or water courses. Vacuum liquid or transfer absorbed material into containers. Advise authorities.
Waste Disposal: Follow local and governmental regulations. Not regulated as a hazardous waste.
Storage Requirements: Cool, dry location. Keep containers closed.
Special Shipping Information: No special requirements.

SECTION 8 - FIRST AID MEASURES

Inhalation: Remove to fresh air or give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.
Ingestion: Do not induce vomiting, give two glasses of water and seek medical attention.
Eye: Flush with water for 15 minutes.
Skin: Wash contaminated area with soap and water. Clean contaminated clothing before wearing again.
General Advice: High pressure injection under skin can be serious and requires urgent medical attention.

SECTION 9 - PREPARATION DATE OF MSDS

MSDS Prepared by: COASTAL Blending & Packaging **Phone:** 800-574-5823
MSDS Date: January 11, 2010
Revision: 02