



MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT INFORMATION—COMPANY IDENTIFICATION

IDENTITY: **Biodegradable Hydraulic Oil (ISO 32,46,68)**

Chemical name: Oil, n.o.s. CAS#: Mixture
Common name: Vegetable oil

Manufacturer: Eco Global Solutions, Inc.
Address: 2850 Red Hill Avenue Suite 210
Santa Ana, CA 92705

Telephone: (949) 955-1039 Fax (949) 748-5177
Emergency: 24 Hours: Chemtrec: (800) 424-9300

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS NUMBER</u>	<u>%</u>
Inhibited soybean oil			<100
Diphenylamine		122-39-4	<1

Contains no other ingredients now known to be hazardous as defined by OSHA 29 CFR 1910:1000(z)

SECTION 3 HAZARD IDENTIFICATION

Principle hazards: Prolonged or repeated skin contact may cause dermatitis. See section 11 for complete health hazard information

Threshold limits: The PEL (OSHA) and the TLV (ACGIH) is 5mg/m³ for oil mists

Primary Routes of Exposure:

Eyes: May cause eye irritation if splashed into eyes

Skin: Repeated prolonged contact with skin may cause irritation which may lead to various skin disorders. Avoid prolonged skin contact.

Inhalation: Inhalation of vapor or oil mist from this product may cause mild irritation of the respiratory system. Use in well ventilated areas.

Ingested: Ingestion may cause nausea, diarrhea and stomach discomfort

SECTION 4 FIRST AID MEASURES

Ingested: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

Eyes: Flush with water for at least 15 minutes. Get medical attention if eye irritation develops or persists.

Skin: Wash immediately with soap and water. Remove soiled clothing. Get medical attention if irritation develops. Launder contaminated clothing.

Inhalation: Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists or if toxic symptoms are observed, get medical attention.



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SECTION 5 FIREFIGHTING MEASURES

Flash point:	>250°C	(COC)	>482°F
May release flammable vapors when heated above flash point			
Extinguishing media:	Carbon dioxide, dry chemical, or foam. Avoid using water		
Hazardous exposure:	Carbon monoxide and asphyxiants		
Special firefighting procedures:	Recommended SCBA. Use water only for cooling container. Water may cause splattering, or transport the flame.		

SECTION 6 ACCIDENTAL RELEASE MEASURES

Evacuate all non-essential personnel. Personal protective equipment must be worn, see PPE section 8 & 16. remove all sources of ignition. Prevent entry into sewers and waterways. Contain release, pick up free liquid for recycling or disposal. Residual liquid can be absorbed with inert material. Check DOT/ CERCLA and other agencies for reporting requirements.

Prevent contamination to soil, waterways and sewer systems.

SECTION 7 HANDLING AND STORAGE

Handling:	Avoid prolonged skin contact, breathing vapors, and contaminated clothing. Use with adequate ventilation. Wear recommended protective equipment. Practice good personal hygiene after handling.
	Empty containers retain material residue. Do not cut, weld, braze, solder or expose containers to other ignition sources.
Storage:	Store in closed containers of proper construction. Store away from ignition sources and in areas of good ventilation.

SECTION 8 EXPOSURE CONTROL/PERSONNEL PROTECTION

Exposure limits:	TLV = 5 mg/m ³ as oil mist
Ventilation:	Use in areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.
Gloves:	Nitrile or neoprene gloves are recommended
Eye protection:	Safety glasses, goggles, or face shield are recommended
Respiratory:	Use NIOSH/MSHA approved respirator with organic vapor cartridge and dust/mist cartridge is recommended if exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.
Clothing:	Long sleeved shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.



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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber oily liquid
Boiling point:	>450°C
Evaporating point:	Less than ether
Flammability:	NA
Flash point:	>250°C
Odor:	Mild odor
pH:	n/d
Solubility:	Soluble
Specific gravity:	0.923
Vapor density:	Heavier than air
Vapor pressure:	<0.01 1mm Hg @ 20°C
Volatility:	Negligible

SECTION 10 STABILITY AND REACTIVITY DATA

Stability:	Material is normally stable at ambient temperature and pressure
Conditions to avoid:	Oxidizing agents. Do not heat above the flash point
Polymerization:	Will not occur
Decomposition:	Carbon dioxide and carbon monoxide

SECTION 11 TOXICOLOGICAL INFORMATION

Oral toxicity:	Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.
Eye irritation:	Not expected to cause eye irritation
Skin irritation:	Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.
Carcinogenic:	This material has not been identified as a carcinogen by NTP, IARC or OSHA

SECTION 12 ECOLOGICAL INFORMATION

This material will not have adverse effects on marine and plant life. Spills may contaminate drinking water.

SECTION 13 DISPOSAL PROCEDURES

Disposal:	Observe all federal, state and local disposal regulations.
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SECTION 14 TRANSPORTATION INFORMATION

See 49CFR part 178.510

DOT Shipping name: Oil, n.o.s.
DOT hazard class: Not regulated
UN/NA number: NA
Guide number: 27
IMDG code:

Materials classified as DOT combustible liquids (flash point > 141°F and <200°F) are not regulated by DOT in containers of 110 gallons, or less for domestic shipments.

SECTION 15 REGULATORY INFORMATION

TSCA: All components of this material are on the US TSCA inventory
SARA 311:
SARA 312:
SARA 313: Contains <2ppm diphenylamin
CAL PROP 65: Not listed
RCRA: Not listed
CERCLA: Listed

SECTION 15 REGULATORY INFORMATION

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>PPE</u>
HMIS Code:	1	1	0	C
NFPA Code:	1	1	0	

Precautionary labels: NA

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Prepared by: Eco Global Solutions, Inc.
Date Prepared: July 19, 2006