



Material Safety Data Sheet

EnviroLogic® 3032 Biodegradable Hydraulic Fluid

Section 1 Chemical Product and Company Information

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PRODUCT TRADE NAME:	EnviroLogic® 3032
CAS NO:	Not applicable for mixtures.
SYNONYMS:	None.
GENERIC/CHEMICAL NAME:	Mixture.
PRODUCT TYPE:	Biodegradable Hydraulic Fluid
PREPARATION/REVISION DATE:	07/29/03
TRANSPORTATION EMERGENCY PH NO:	1-800-661-3558

Section 2 Composition/Information On Ingredients

NAME

Proprietary mixture of biodegradable base fluid, additive and fluidity modifier.

This material has no known hazards under applicable laws.

Section 3 Hazards Identification

PRINCIPAL HAZARDS: This material has no known hazards.

See Section 11 for complete health hazard information.

Section 4 First Aid Measures

ORAL:	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.
EYE:	Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
SKIN:	Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
INHALATION:	Remove exposed person to fresh air if adverse effects are observed.



EYE PROTECTION: Safety Glasses.

RESPIRATORY PROTECTION: Under normal use conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is exceeded.

CLOTHING RECOMMENDATION: Long sleeve shirt is recommended.

Section 9 Physical And Chemical Properties

VAPOR PRESSURE: Not Determined.

PH: Not Determined.

SPECIFIC GRAVITY: 0.856 at 15.6 Deg C

WATER SOLUBILITY: Insoluble.

PERCENT VOLATILE: Unknown.

VAPOR DENSITY: Not Determined.

EVAPORATION RATE: Not Determined.

ODOR: Mild

APPEARANCE: Golden liquid

VISCOSITY: 33.0 Centistokes at 40°C (Typical)

ODOR THRESHOLD: Unknown.

BOILING POINT : Not Determined.

FREEZING POINT: Not Determined.

Section 10 Stability And Reactivity

STABILITY: Material is normally stable at moderately elevated temperatures and pressures.

INCOMPATIBILITY: Oxidizing agents.

POLYMERIZATION: Will not occur.

THERMAL DECOMPOSITION: Smoke, carbon monoxide, aldehydes and other products of incomplete combustion.

Section 11 Toxicological Information



ORAL TOXICITY:	The LD50 in rats is > 5000 mg/kg. Based on data from components or similar materials.
EYE IRRITATION:	Not expected to cause eye irritation. Based on data from components or similar materials.
SKIN IRRITATION:	Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
DERMAL TOXICITY:	The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.
INHALATION TOXICITY:	No data available to indicate product or components may be a toxic inhalation hazard.
RESPIRATORY IRRITATION:	If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil. Based on data from components or similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem.
DERMAL SENSITIZATION:	No data available to indicate product or components may be a skin sensitizer.
INHALATION SENSITIZATION:	No data available to indicate product or components may be respiratory sensitizers.
CHRONIC TOXICITY:	No data available to indicate product or components present at greater than 1% are chronic health hazards.
CARCINOGENICITY:	No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
MUTAGENICITY:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
REPRODUCTIVE TOXICITY:	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
TERATOGENICITY:	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.
OTHER:	No other health hazards known.
EXPOSURE LIMITS:	EXPOSURE LIMITS: Contains biodegradable base oil. Under



conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.

Section 12 Ecological Information

FRESHWATER TOXICITY: FISH 24 hr. LC 50 >10,000 ppm by EPA/60/4-90/0275 test (Fathead minnow)

FRESHWATER INVERTEBRATES TOXICITY: An environmental effects test program for freshwater invertebrates is in progress.

ALGAE TOXICITY: Environmental effects data for algae is not available on all materials.

SALTWATER FISH TOXICITY: Environmental effects data for saltwater fish is not available on all materials.

SALTWATER INVERTEBRATES: Environmental effects data for saltwater invertebrates is not available on all materials.

BACTERIA TOXICITY: An environmental effects test program for bacteria is in progress.

MISCELLANEOUS TOXICITY: Environmental effects data for flora and fauna is not available on all materials.

ENVIRONMENTAL FATE: Product shows a biodegradability of 66% as measured by L-33-OECD 301B test procedure. Based on actual data.

Section 13 Disposal Considerations

WASTE DISPOSAL: Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. Waste management should be in compliance with federal, state, and local laws.

Section 14 Transport Information

U.S.DOT BULK SHIPPING DESCRIPTION: Not applicable.

U.S.DOT NON-BULK SHIPPING DESCRIPTION: Not applicable.

IMDG SHIPPING DESCRIPTION: Not applicable.

ICAO SHIPPING DESCRIPTION: Not applicable.



EnviroLogic® 3032 Hydraulic Oil Material Safety Data

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PRECAUTIONARY LABELS: This material has no known hazards.

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