

Material Safety Data Sheet

Enviroblend, Inc.

Type DOP Fluid 07/09/2009

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SECTION 1 - IDENTIFICATION OF SUBSTANCE AND COMPANY

Product Name: Type DOP Fluid

Chemical Name: Dioctyl Phthalate

Supplier: Enviroblend, Inc.
P.O. Box 329
Springfield, TN 37172

Phone: 615-382-8215
Fax: 615-382-8216

HMIS
Health 2
Flammability 1
Reactivity 0
Personal Protection B

Emergency Phone Numbers: Enviroblend, Inc. 615-382-8215
CHEMTREC (Transportation) 800-424-9300

SECTION 2 - INFORMATION ON INGREDIENTS

Hazardous and regulated components

Component	CAS #	%	ACGIH TWA	ACGIH STEL	Carcinogen	OSHA PEL	R.Q. lbs.
Di(2-ethylhexyl) Phthalate	117-81-7	100			Possible	5mg/m ²	100

SECTION 3 - HAZARDS IDENTIFICATION

Effects of Overexposure:

Skin: ----- Repeated or prolonged skin contact may cause skin irritation.

Eyes: ----- May cause slight eye irritation of susceptible persons.

Ingestion: ---- Substance may be harmful if swallowed. May irritate mouth, throat and stomach.

Inhalation: -- Excessive inhalation of fumes may cause dizziness.

SECTION 4 - FIRST AID MEASURES

Skin: ----- Wash thoroughly with soap and water.

Eyes: ----- Immediately flush with plenty of water for at least 15 minutes; ensure water flushing of entire surface of eye and lid. Obtain medical attention if irritation persists.

Ingestion: ---- Rinse mouth and seek medical advice. DO NOT induce vomiting

Inhalation: -- Move to fresh air.

Physicians

Note:

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SECTION 5 - EXPLOSION AND FIRE FIGHTING MEASURES

Flash Point	Method Used	Flammable	LEL	UEL
216° F	C.O.C.	Limits	N/A	N/A

Extinguishing media:

CO₂, Dry Chemical, Water Fog

Special Fire Fighting Procedures:

Wear MSHA/NIOSH approved self-contained breathing apparatus. Use water spray to cool fire-exposed containers.

Unusual and Explosion Hazards:

None.

SECTION 6 - ACCIDENTAL RELEASE / SPILL PROCEDURES

Steps to be taken in case material is released or spilled:

Use appropriate protective equipment. Stop leak. Dike to contain spill, cover with inert absorbent material, sweep up, and place in suitable container. Flush area well with detergent. Keep spills and cleaning run-off out of municipal sewers and open bodies of water. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water.

SECTION 7 - HANDLING AND STORAGE

Keep container tightly closed. Store in cool, dry location. Keep from freezing. Keep from contact with oxidizing materials.

Any use of this product in elevated temperature processes should be evaluated to establish and maintain safe operating procedures.

SECTION 8 - PERSONAL PROTECTION

Respiratory Protection:

None required for normal operation.

Use a NIOSH approved respirator when exposure to vapors of mists is anticipated.

Ventilation:

Local Exhaust is recommended when handling generated mists

Direct exhaust is recommended when material becomes heated and fumes are given off.

Protective Gloves:

Neoprene or Viton

Eye Protection:

Safety glasses or Splash Goggles (ANSI Z87.1, 1968)

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Other Protective Equipment:

Wear an impervious apron and have eyewash facility close by.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	384 ⁰ F.	pH:	N/A
Specific Gravity:	0.985	Solubility in Water:	0.1g/l
Vapor Pressure:	0.0000001 mbar	% Solid by Weight:	N/A
Vapor Density:	13.5 (air = 1)	Material Is:	Liquid
% Volatile by Volume:	N/I	Freezing Point:	-50 ⁰ C
Evaporation Rate:	N/A	Melting Point:	N/A
Appearance and Odor:	Colorless liquid, mild odor.		

SECTION 10 - STABILITY AND REACTIVITY

Stability	Stable
Conditions to avoid:	None
Hazardous Polymerization:	Will not occur
Conditions to avoid:	None
Incompatible materials:	Strong oxidizing agents..
Hazardous decomposition	None under normal use conditions.
Products:	

SECTION 11 - TOXICOLOGICAL INFORMATION

General: Di(2-ethylhexyl) phthalate [bis(2-ethylhexyl) phthalate; DEHP] is reasonable anticipated to be a human carcinogen based on evidence of carcinogenicity in experimental animals (NIP 217, 1982; IARC V.29, 1982; LARC S.7, 1987). When administered in the diet, di(2-ethylhexyl) phthalate increased the incidence of hepate-cellular carcinomas in female rats, liver neoplastic nodules or hepatocellular carcinomas in male rats, and hepatocellular carcinomas in mice of both sexes. There are no adequate data available to evaluate the carcinogenicity of di(2-ethylhexyl) phthalate in humans (IARC V.29, 1982, Larc S.7, 1987).

Acute Toxicity:

Oral LD ₅₀ (rat): -----	30,600mg/kg
Dermal LD ₅₀ (rabbit):	N/I
Inhalation LC ₅₀ (rats):	Inhalation of concentrated vapors for 8 hours produced no deaths.
Skin Irritation (rabbit):	Mildly irritating; Not a sensitizer (guinea pig).
Eye Irritation (rabbit):	Mildly irritating

Local effects:

Expected to be a low hazard for usual industrial handling or commercial use by trained personnel.

SECTION 12 - ECOLOGICAL INFORMATION
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Acute Aquatic Effects Data:

96h LC-50 (fathead minnow): >0.6mg/l NOEC: 0.6/mg/l (limit of solubility in fresh water)

96h LC-50 (rainbow trout): > 0.32mg/l NOEC: 0.32 mg/l (limit of solubility in fresh water)

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Methods:

Material should be disposed of in accordance to current local and national regulations.
RCRA: It is the responsibility of the user to determine at time of disposal whether a product or solution meets RCRA criteria for hazardous waste, as mixing, use, contamination, or soils may render the resultant mixture hazardous.

SECTION 14 - TRANSPORTATION INFORMATION
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D.O.T. Shipping Name: Environmentally hazardous substances, liquid, n.o.s.
Hazard Class: 9
Packing Group: III
UN / NA Number: UN 3082
D.O.T. Hazardous Substances: (bis(2-ethylhexyl)phthalate)
Transport Label Required:

SECTION 15 - REGULATORY INFORMATION
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US TSCA	Yes
Toxic Substances Control Act:	
CANADA DSL	Yes
Domestic Substance List	
EEC EINECS:	Yes - Registration # 204-211-0
European Inventory of Existing Chemical Substances.	
AUSTRALIA AICS	Yes
MITI	
Japanese Handbook of Existing and New Chemical Substances	

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Superfund Amendments and Reauthorization Act (SARA). This product has the following hazards as defined in Section 311/312 or 40 CFR Part 372:

- Acute Health Hazard
- Chronic Health Hazard

The product is subject to the reporting requirements of Section 313 or Title III of SARA and 40 CFR Part 372

California Proposition 65: This product is known to the state of California to cause cancer, birth defects, or other reproductive harm per the Safe Drinking Water and Toxic Enforcement Act of 1986

SECTION 16 - OTHER INFORMATION

None

NOTICE

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