

Material Safety Data Sheet

Enviroblend, Inc.

Type K Fluid 23/16/2011

Page1

SECTION 1 - IDENTIFICATION OF SUBSTANCE AND COMPANY

Product Name: TYPE K FLUID **Product Code:** 900255E, 900256E

Product Name: Type K Fluid (Type K Fluid)

Chemical Name: Epoxidized Soybean Oil

Use of Substance / Preparation Pump solvent chamber fluid

Supplier:	Enviroblend, Inc.	Phone: 615-382-8215	HMIS
	P.O. Box 329	Fax: 615-382-8216	Health 1
	Springfield, TN 37172		Flammability 1
			Reactivity 0
			Gloves & Safety Glasses

Emergency Phone Numbers: Enviroblend, Inc. 615-382-8215
CHEMTREC (Transportation) +1 703 527 3887

SECTION 2 - HAZARDS IDENTIFICATION

This substance is not classified in the Annex I of Directive 67/548/EEC

Effects of Overexposure:

Skin: Repeated or prolonged skin contact may cause skin irritation.
Eye Contact: May cause slight eye irritation
Ingestion: Effects unknown
Inhalation: May cause dizziness

SECTION 3 - INFORMATION ON INGREDIENTS

Chemical Name:	EC#:	CAS #:
Epoxidized Soybean Oil	232-391-0	8013-07-8

Classification: Not classified in the Annex I of Directive 67/548/EEC, 1999/45/EC or (EC) No 1272/2008

SECTION 4 - FIRST AID MEASURES

Skin: ----- Wash thoroughly with soap and water. If drying occurs a topical lotion should be applied.

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.

Inhalation: -- Move to fresh air.

SECTION 5 - EXPLOSION AND FIRE FIGHTING MEASURES

Flash Point	Method Used	Flammable Limits	LEL	UEL
310 ⁰ C	Cleveland Open Cup		N/A	N/A

Extinguishing media:

CO₂, Dry Chemical, Water Fog

Special Fire Fighting Procedures:

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

Unusual and Explosion Hazards:

Solid streams of water directed at burning liquid may cause frothing.

SECTION 6 - ACCIDENTAL RELEASE / SPILL PROCEDURES

Personal Precautions:

Wear suitable gloves and safety or splash goggles. Remove contaminated clothing and wash before reuse and wash any affected skin areas with soap and water.

Environmental Precautions:

Keep spills and cleaning run-off out of municipal sewers and open bodies of water.

Method of Clean-up:

Stop Leak. Dike to contain spill, cover with inert absorbent material, sweep up, and place in suitable container.

SECTION 7 - HANDLING AND STORAGE

Keep container tightly closed. Store in cool, dry location. Keep from freezing. Store in original container.

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

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

None established.

Respiratory Protection:

None required for normal operation.

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

Engineering Measures:

Local Exhaust is recommended when handling generated mists

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

Hand Protection:

Impervious gloves

Eye Protection:

Safety glasses or Splash Goggles

Other Protective Equipment: Have eyewash facility close by.

Material Safety Data Sheet

Enviroblend, Inc.

Type K Fluid 23/16/2011

Page3

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	399 ⁰ C.	pH:	N/A
Flash Point (COC):	310 ⁰ C.	Solubility in Water:	N/A
Specific Gravity:	0.993	% Solid by Weight:	N/A
Vapor Pressure:	0.01mm @ 20 ^o C.	Material Is:	Liquid
Vapor Density:	25 (air = 1)	Freezing Point:	N/A
% Volatile by Volume:	N/I	Melting Point:	N/A
Evaporation Rate:	N/A	Oxidizing Properties:	None

Appearance and Odor:

Light yellow, viscous liquid, mild odor.

SECTION 10 - STABILITY AND REACTIVITY

Stability	Stable under normal use conditions.
Conditions to avoid:	Excess heat.
Materials to avoid:	Strong oxidizing agents, strong acids or bases.
Hazardous Polymerization:	Will not occur under normal use conditions.
Hazardous decomposition Products:	None under normal use conditions, oxides of carbon when burned.

SECTION 11 - TOXICOLIGICAL INFORMATION

Acute Toxicity:

Oral LD₅₀:	22.5 g/kg (rat)
Dermal LD₅₀:	>20g/kg (rabbit)
Inhalation LC₅₀:	Inhalation of concentrated vapors for 8 hours produced no deaths. (rats)
Skin Irritation (rabbit):	Mildly irritating (rabbit); Not a sensitizer (guinea pig).
Eye Irritation (rabbit):	Mildly irritating (rabbit).
Acute Effects from Overexposure:	Product has very low oral, dermal, and inhalation toxicity. Epoxidized soybean oil is mildly irritating to the eyes and skin and is non-sensitizing to the skin.
Chronic Effects from Overexposure	No data available for the product.

SECTION 12 - ECOLOGICAL INFORMATION

No ecological information is available at this time.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Methods:

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

SECTION 14 - TRANSPORTATION INFORMATION

Road, Rail, Ocean, Air, Inland Waterways: Not Regulated

SECTION 15 - REGULATORY INFORMATION

EC Classification and Labeling:	Substance not classified according to Directive 67/548/EEC, 1999/45/EC or (EC) No 1272/2008
US TSCA Toxic Substances Control Act	In Compliance
Canada DSL Domestic Substance List	Listed
EEC EINECS European Inventory of Existing Chemical Substances.	Listed - Registration # 232-391-0
AICS Australian Inventory of Chemical Substances	Listed
Safety Phrases	S37/39 Wear suitable gloves and eye/face protection.

SECTION 16 - OTHER INFORMATION

Prepared By: JBV	Revision Date: 03/16/2011
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9/01/2009 Revised Format, update sections 2&5
03/16/2011 date update

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