

# EcoFlex FD

## Material Safety Data Sheet

### Section 1 • Chemical Product and Company Identification

Product Name: EcoFlex  
Product Description: Flexographic Developer Solvent  
Date: December 15, 2005 Chem-Tel  
Company: EcoPrint Solutions, Inc. **Emergency Telephone Numbers: (800)255-3924**  
604 Tomahawk Trail Non-Emergency Phone: (813) 685-5652  
Brandon, Fl. 33511 Facsimile Phone: (813) 571-2871

### Section 2 • Composition and Information on Hazardous Ingredients

Component	CAS No.	Wt%	OSHA HCS Hazard(s)
Proprietary mixture. In the event of a medical emergency, compositional information will be provided to a physician or nurse.	Mixture	100	Combustible Liquid. Contains petroleum hydrocarbons. Skin and eye irritant. No ACGIH TLV or OSHA PELs established.

### Section 3 • Hazards Identification

#### Emergency Overview:

Appearance: Clear liquid, colorless to light amber.  
Odor: Mild.  
Risk Summary: Irritating to eyes and skin. No known chronic indications. This substance is combustible and will sustain combustion at temperatures above its flashpoint. Avoid heat, sparks and open flame.

#### Potential Health Effects:

Inhalation: Vapors are not hazardous, but may be irritating in confined spaces.  
Eyes: Irritating to eyes.  
Skin: Irritating to skin.  
Ingestion: Will be irritating to tissues. May be harmful or fatal if swallowed in sufficient quantity. See Section 11 (Toxicological information) for further information.  
Chronic: Not considered a carcinogen by NTP, IARC, or OSHA. No known chronic indications.

#### Environmental Hazards:

Related chemicals are known to be aquatic toxicants.

### Section 4 • First Aid Measures

Inhalation: Seek fresh air immediately. If breathing is difficult, get medical attention.  
Eyes: Flush with water for at least 15 minutes. If irritation develops, get medical attention.  
Skin: Remove contaminated clothing. Wash affected areas with soap and water. If irritation develops, get medical attention.  
Ingestion: Drink lots of water to dilute substance. Get medical attention. Do not induce vomiting for fear of aspiration.

### Section 5 • Fire Fighting Procedures

Flammable Properties: Flashpoint 63°C (145°F) TCC. Vapors can explode and liquids can combust when temperatures reach or exceed the flashpoint.  
Extinguishing Media: Carbon dioxide, dry chemical, foam.  
Fire Fighting Instructions: Use CO<sub>2</sub>, foam or dry chemical. Use water as a spray only to lower temperature (this substance floats on water). Treat as an oil fire.

### Section 6 • Accidental Release Measures

Personal Precautions: See Section 8, Personal Protection.  
Environmental Precautions: Do not discharge into surface waters. May be toxic to aquatic organisms. See Section 3 (Environmental Hazards) and Section 12 (Ecological Information) for further information.

**Containment and Cleanup Techniques:**

Exercise caution as hard floors coated with this material may be slippery. Small spills may be absorbed by sand or oil-absorbing materials. Large spills should be collected by pumping into closed containers for recovery or disposal. Spills over water will float and may be collected by oil absorbants or by skimming.

**Section 7 • Handling and Storage**

Handling: Wear chemical safety glasses, gloves, goggles, and apron.  
Storage: Store in tightly closed metal or glass containers. Do not store in plastic. Avoid heat, sparks, and open flames.

**Section 8 • Exposure Controls, Personal Protection**

Engineering Controls: Mechanical ventilation may be necessary at elevated temperatures to control odor.  
Exposure Guidelines: No OSHA TLV or PEL established. The company recommends 100 ppm based on data for other compounds in the same chemical family.  
Respiratory Protection: Respirator is not required under normal conditions. Organic vapor cartridge may be used for odor elimination or when vapor exposure is excessive or prolonged.  
Skin Protection: Wear chemically resistant rubber gloves and apron (viton, nitrile, and or PVC) to minimize exposure.  
Eye Protection: Wear chemical safety glasses, goggles, or face shield to prevent eye contact.

**Section 9 • Physical and Chemical Properties**

Appearance: Clear liquid, colorless to light amber.  
Odor: Mild.  
Physical State: Liquid.  
pH: Sparingly water soluble (no pH).  
Vapor Pressure: Not determined.  
Vapor Density: Not determined.  
Boiling Point: 182°C (360°F)  
Flashpoint: 63°C (145°F) TCC  
Freezing Point: <-0°C (<-32°F)  
Solubility in water: sparingly.  
Specific Gravity: ca. 0.832 @ 25°C  
VOC Content: ca. 829 g/l  
Molecular Weight: mixture.  
Chemical Formula: mixture.

**Section 10 • Stability and Reactivity**

Conditions to Avoid: Excessive temperatures and/or contact with air may cause decomposition or oxidation.  
Materials to Avoid: Avoid contact with strong acids, strong bases, and oxidizing agents.  
Decomposition Products: Ultimate decomposition products are CO2 and water.

**Section 11 • Toxicological Information**

Target Organs: Eyes and skin.  
Routes of Entry: Eye and skin contact.  
Acute Toxicity: Not determined.  
Chronic Toxicity: No known chronic indications.

**Section 12 • Ecological Information**

Biodegradability: Not determined.  
Aquatic Toxicity: Not determined. Related chemicals are known to be aquatic toxicants.  
Environmental Fate: Not determined.  
Bioaccumulation Potential: Not determined.

**Section 13 • Disposal Considerations**

RCRA Hazardous Waste: Not classified as a RCRA Hazardous waste.  
Disposal Methods: Dispose of this material by incineration or recovery at a government-approved disposal facility.

**Section 14 • Transport Information**

DOT:  
Proper Shipping Name: Combustible Liquid, n.o.s. (petroleum distillates), 3, NA1993, PG III  
Exceptions: Chemicals, n.o.i. (Not Regulated) - allowable for shipment in non-bulk containers.  
IMO: Not Regulated.  
IATA: Not Regulated.

**Section 15 • Regulatory Information**

TSCA (USA): Listed.  
EINECS (EC): Unknown.  
DSL (Canada): Unknown.  
AICS (Australia): Unknown.  
MITI (Japan): Unknown.  
KECL (South Korea): Unknown.

**Section 16 • Other Information**

Emergency Contact: Chem-Tel 1-800-255-3924

Hazard Ratings

HMIS: Health = 2 Flammability = 2 Reactivity = 1 Personal Protection = C  
NFPA: Health = 0 Flammability = 2 Reactivity = 0  
(0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe)**End.**

The information and recommendations set forth herein are presented in good faith and believed to be correct and reliable. EcoPrint Solutions, Inc. makes no representation as to the completeness or accuracy thereof, and supplies information upon the condition that persons receiving same will make their own determinations to its suitability for their purpose prior to use. Please handle all chemicals responsibly.