MATERIAL SAFETY DATA SHEET
Fluid XP+ ECO-Earth

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Material Identification

PRODUCT NAME: Fluid XP+ Eco-Earth
PRODUCT DESCRIPTION: Mixture

Company Identification

MANUFACTURER:
FluidXP Technologies.
370 W. Grand
Corona, CA 92882

TELEPHONE NUMBERS:
Product Information: 877-737-0624
Transport Emergency: CHEMTREC 800.424.9300

Date of Preparation

January 29, 2007

SECTION 2: HAZARDS IDENTIFICATION

MATERIAL	CAS NO.	WT.%	OSHA PEL (TWA)	ACGIH TLV (TWA)	EU Classification
DI Water	7732-18-5	>40%	----------	----------	----------
1,3 Propanediol	504-63-2	40%	----------	----------	----------
Additives	Proprietary	<20%	----------	----------	----------

NE = Not Established C = Ceiling Level See Section 16 for Definitions of Terms Used.
NOTE: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-1993 format.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

EMERGENCY OVERVIEW

Physical Appearance:

Clear, odorless liquid, colorless to pale yellow or green liquid.

Immediate Concerns:

Vapor and mists from this product may be irritating if inhaled. The solution can be irritating to contaminated skin or eyes. This product is not flammable or reactive under typical emergency response conditions.

OSHA regulatory status:

This material is not classified as hazardous under OSHA regulations.

Acute Health Effects

Eyes: Contact with the eyes may cause redness, irritation, tearing, and possibly a burning sensation.

Skin: Direct contact may cause local redness or irritation of the skin. Repeated or prolonged overexposure may cause dermatitis or defatting of the skin. 1,3 Propanediol can be absorbed through the skin from prolonged direct dermal contact.

Ingestion: Ingestion of this product, while not likely to occur in an industrial setting, may cause irritation of the mouth and throat, gastric disturbances, upset stomach, cramps, nausea and vomiting.

Inhalation: Inhalation of the mists or vapors of this product may be irritating to the nose, throat, mucous membranes, and other tissues of the respiratory system.

Chronic Health Effects

Prolonged or repeated skin exposures to large quantities of the fluid can lead to dermatitis (dry, chapped skin). Refer to Section 11 (Toxicological Information) for additional information.

Carcinogenicity

The components present in this material at concentrations equal to or greater than 0.1% are not listed as carcinogens by IARC, NTP, OSHA or ACGIH.

Medical Conditions Aggravated by Exposure:

Pre-existing skin and eye conditions may be aggravated by exposure to the fluid. Continuous or chronic overexposure to the 1,3 Propanediol component in this material may aggravate existing kidney system disorders.

SECTION 4: FIRST AID MEASURES

Inhalation

If vapors or mists are inhaled, remove the victim to fresh air. If symptoms persist, seek medical attention.

Skin Contact

If the fluid contaminates the skin, flush skin with plenty of soap and water for 15 minutes. Remove contaminated clothing and take care not to contaminate eyes. Get medical attention if irritation or redness develops.

Eye Contact

If the product enters the eyes, open victim's eyes under gentle running water. Have victim "roll" eyes. Flush eyes for at least 15 minutes. Seek immediate medical attention.

Ingestion

If the product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER. Provide a copy of the MSDS.

SECTION 5: FIRE FIGHTING MEASURES

Flammable properties

ECO-Earth fluid is not flammable. However, residues remaining after evaporation of liquid residues may be combustible.

Hazardous combustion products:

May include, but not be limited to, carbon dioxide and carbon monoxide. Under fire conditions partial combustion and decomposition can produce smoke and gases containing unidentified toxic and/or irritating compounds.

Extinguishing Media

Water, foam, dry chemical, carbon dioxide.

Fire Fighting Instructions

Emergency responders should wear eye protection, self-contained breathing apparatus and full protective equipment. Prevent run-off water from fires involving large amounts of the fluid from entering storm drains, bodies of water, or other environmental areas. Decontaminate fire-response equipment with soap and water solution if necessary. Evacuate personnel to a safe area. Keep personnel away and upwind of the fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill and Leak Response

In case of an uncontrolled release, clear the affected area, protect people, and respond with trained personnel. Proper protective equipment should be used.

Small Spill

Cover with absorbent material (floor absorbent, vermiculite, etc,). Soak up spill and place material in properly labeled container for disposal. Decontaminate area and spill response tools by cleaning with soap and water if necessary.

Large Spill

Personnel involved with large releases should wear protective equipment. Stop spill at source and dike the area surrounding the spill to prevent further exposure. Prevent material from entering sewer system. If pump is available, pump spilled liquid into 55- gallon drums for proper disposal. If necessary, use absorbent material (floor absorbent, vermiculite, etc,) and shovel material into drums for disposal. Decontaminate area and spill response tools by cleaning with soap and water if necessary.

Personal Precautions

The minimum personal protective equipment required for spill response is eye protection and impervious gloves as described in Section 8 of this MSDS. Properly trained personnel should assess the situation to determine if additional protective garments or equipment may be needed.

Environmental Precautions

Contain spill by diking or other means to prevent release into sewers, surface waters, or soil.

SECTION 7: HANDLING AND STORAGE

Handling

Protect drums and other containers from physical damage. If contact occurs with the liquid, wash thoroughly with soap and water. Do not eat, drink, smoke or apply cosmetics while handling this material.

Storage

Store drums and other containers in a cool, dry location, away from direct sunlight, or sources of intense heat. Storage areas should be made of fire-resistant materials. Keep containers away from incompatible chemicals (See Section 10, Stability and Reactivity).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

INGREDIENT	CAS Number (TWA)	OSHA PEL (TWA)	ACGIH TLV (TWA)	AIHA WEEL (TWA)
DI WATER	7732-18-5	NE	NE	NE
1,3 PROPANEDIOL	504-63-2	NE	NE	10 mg/m3

NE = Not Established mg/m3 = Milligrams of contaminant per cubic meter of air

Engineering Controls

Local exhaust ventilation may be necessary when this material is heated or a mist created. Supply sufficient replacement air to make up for air removed by exhaust system. Prudent practice is to ensure eyewash/safety shower stations are available near areas where this product is used.

Personal Protective Equipment

RESPIRATORY PROTECTION: None needed under normal circumstances of use. If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, or applicable State regulations. Use supplied air respirator if oxygen levels are below 19.5% or unknown.

EYE/FACE PROTECTION: Splash goggles or safety glasses with side shields

PROTECTIVE CLOTHING: Wear neoprene, nitrile rubber, butyl rubber, or natural rubber gloves for routine industrial use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, colorless to pale yellow or green liquid
ODOR:	Not available
ODOR THRESHOLD:	Not applicable
PHYSICAL STATE:	Liquid
pH:	9.0
FREEZING POINT:	23ºF
BOILING POINT:	>215ºF
BOILING RANGE:	Not available
FLASH POINT:	Not applicable
FLASH POINT METHOD:	Not applicable
AUTOIGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	300ºC (dry residues)
EVAPORATION RATE (n-BuAc=1):	Not available
VAPOR DENSITY (AIR=1):	Not available
VAPOR PRESSURE, mmHg @ 20ºC:	Less than water
SPECIFIC GRAVITY (water = 1):	1.034
VISCOSITY	1.78 cP
SOLUBILITY IN WATER:	Soluble
PARTITION COEFFICIENT:	Not available
ANALYTICAL VOC:	Not available

THEORETICAL VOC: Not available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Conditions to Avoid

Avoid exposing the ECO-Earth fluid to extremely high temperatures (>300 C) and contact with incompatible chemicals

Incompatibility with Other Materials

Strong oxidizers, strong acids, acid chlorides, acid anhydrides, chloroformates, or strong reducing agents

Hazardous Decomposition Products

Dry residues may decompose with extreme heat (>300ºC), possibly releasing hazardous gases or vapors, potentially including carbon monoxide, carbon dioxide, and other compounds of unknown composition.

Hazardous Polymerization

Will not occur

SECTION 11 TOXICOLOGICAL INFORMATION

General Toxicity Information

1,3 Propanediol:

Oral LD_{50}:	15,000 mg/kg in rats
Dermal LD_{50}:	20,000 mg/kg in rabbits
Inhalation 4 hours ALC:	5.0 mg/L in rats

Reproductive Toxicity Information

Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: This product is not reported to produce mutagenic effects in humans. Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.

Teratogenicity: This product is not reported to cause teratogenic effects in humans. Reproductive Toxicity: This product is not reported to cause reproductive effects in humans.

Carcinogenicity

The components present in this material at concentrations equal to or greater than 0.1% is not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

SECTION 12: ECOLOGICAL INFORMATION

Environmental Fate & Ecotoxicity Data

No data available for this product. Based on the manner of use, this product is not expected to be acutely toxic to aquatic organisms, waste treatment microorganisms, and the germination and early growth of plants.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local waste regulatory authority.

SECTION 14: TRANSPORT INFORMATION

Shipping Information

This material is not hazardous as defined by DOT 49 CFR 172.101

Proper Shipping Name:	Not applicable.
Hazard Class Number and Description	Not applicable.
UN Identification Number	Not applicable.
Packing Group	Not applicable.
DOT Label(s) Required	Not applicable.

Canada Transportation of Dangerous Goods Regulation: This material is not considered dangerous goods.

Mexico Transportation Regulation:

Instituto Nacional de Ecologia (INE#):	Not applicable
CRETIB Code:	Not applicable

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

A: General Product Information

No additional information available.

B: Component Analysis

The components of this product are not subject to the reporting requirements of SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

SARA 311/312 Hazard Indicators:

Immediate Health	Delayed Health	Fire	Sudden Pressure Release	Reactivity
Y	N	N	N	N

C: Component Marine Pollutants

No component of this product is listed as a Marine Pollutant (49 CFR 172.101, App. B).

D: Hazardous Air Pollutants

The components of this material are not considered hazardous air pollutants under the US Clean Air Act.

State Regulations

A: General Product Information

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS#	MA	MN	PA	RI
1,3 Propanediol	504-63-2	NO	YES	YES	YES

B: Component Analysis - WHMIS IDL The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS#	Minimum Concentration
1,3 Propanediol	504-63-2	1% (English Item 1362, French Item 1454)

Labeling according to EEC Directive

A: Contains

1,3 Propanediol

B: Symbols

None

C: R-phrases R36/R38: Irritating to eyes, irritating to skin

D: S-phrases

S13:	Keep away from food, drink, and animal feedstuffs
S15:	Keep away from heat
S24/S25:	Avoid contact with skin, avoid contact with eyes
S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S37:	Wear suitable gloves
S39:	Wear eye/face protection

E: Ozone Depleting Chemicals

No ozone depleting chemicals are present in this product.

Additional Regulatory Information

A: General Product Information

Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. All components are listed on the TSCA section 8(b) inventory.

B: Component Analysis – Inventory

Component	CAS#	TSCA	DSL	EINECS	ECL	ENCS	PICCS	AICS
DI WATER	7732-18-5	YES	YES	YES	YES	NO	YES	YES
1,3 PROPANEDIOL	504-63-2	YES	YES	YES	YES	YES	YES	YES

SECTION 16: OTHER INFORMATION

NFPA Hazard Ratings

Health: 1
Flammability: 0
Instability: 0

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation; however, Fluid XP Technologies makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.

Key/Legend

ppm = parts per million; mg/m3 = milligrams per cubic meter of air; mppcf = million of particles per cubic foot of air; f/cc = fibers per cubic centimeter of air; OSHA = Occupational Safety and Health Administration; ACGIH = American Conference of Governmental Industrial Hygienists; TLV = Threshold Limit Value; TWA = 8-hour, time-weighted average; STEL = short-term exposure limit; EPA = Environmental Protection Agency; TSCA = Toxic Substances Control Act; DSL = Canada Domestic Substances List; EINECS = European Inventory of Existing Commercial Chemical Substances; ECL = Korea Existing and Evaluated Chemical Substances Inventory; ENCS = Japan Existing and New Chemical Substances Inventory; PICCS = Philippines Inventory of Chemicals and Chemical Substances; AICS = Australia Inventory of Chemical Substances; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; PMN = Premanufacture Notification; DSL = Domestic Substances List; NFPA = National Fire Protection Association; WHMIS = Workplace Hazardous Materials Identification System; HEPA = High Efficiency Particulate Air; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act; NJTSR = New Jersey Trade Secret Registry; EPCRA= Emergency Planning and Community Right-to-Know Act (SARA, Title III); 302 = Extremely Hazardous Substance; HAP = Clean Air Act Hazardous Air Pollutant; TPQ = Threshold Planning Quantity; RQ = Reportable Quantity; NA = Not Available; NR = Not Regulated

END OF DATA SHEET