

SAFETY DATA SHEET

ENVIROPEG™ E400

COMPANY INFORMATION

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SECTION 1 – PRODUCT INFORMATION

Product Name: ENVIROPEG™ E400
Common Chemical Name: POLY (OXY, 1-2 ETHANEDIYL), ALPHA, HYDRO, OMEGA, HYDROXY
Synonyms: PEG 400
Molecular Formula: H-(OCH₂CH₂)_n-OH
Chemical Family: Polyethylene Glycols
Average Molecular Wt.: 400 g/mol.

SECTION 2 - INGREDIENTS

Chemical Name: Polyethylene Glycols | **PEL/TLV:** NOT ESTABLISHED
CAS: 25322-68-3
Amount: 100.0%

SECTION 3 – HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW

Color: Clear
Form/Appearance: Liquid
Odor: Characteristic

WARNING STATEMENT: CAUTION | May cause irritation contact
May cause irritation to skin upon prolonged or repeated contact

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTES OF EXPOSURE:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

ACUTE OVEREXPOSURE EFFECTS:

Inhalation may result in respiratory irritation. Ingestion may result in gastric disturbances.

CRONIC OVEREXPOSURE EFFECTS:

There are no known chronic effects associated with this material.

FIRST AID PROCEDURES – AGGRAVATED MEDICAL CONDITIONS:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to Section 3 (Effects of Overexposure) for effects observed in animals.

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SECTION 4 – FIRST AID MEASURES
FIRST AID PROCEDURES - Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. Get immediate medical attention.

FIRST AID PROCEDURES - Eyes:

Immediately rinse eyes with running water for 15 minutes. Get immediate medical attention:

FIRST AID PROCEDURES - Ingestion:

If swallowed, rinse mouth out. Do not induce vomiting. Immediate medical attention is required.

FIRST AID PROCEDURES - Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

FIRST AID PROCEDURES - Notes to Physician:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

FIRST AID PROCEDURES - Aggravated Medical Conditions:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to Section 3 (Effects of Overexposure) for effects observed in animals.

FIRST AID PROCEDURES - Special Precautions:

None

SECTION 5 – FIRE FIGHTING MEASURES

	Typical	Low/High	Deg.	Method
Flash Point:	>200		°F	ASTM D92
Autoignition:	N/A			
Inf. Limits:	N/A			
Density (aire=1)	N/A			

Extinguishing Media:

Use water fog, foam, CO2 or dry chemical extinguishing media.

Fire Fighting Procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Unusual Hazards:

Avoid possible spontaneous combustion by disposal of combustible material soaked with this product.

SECTION 6 – ACCIDENTAL RELEASE MEASURES
General:

Spills and leaks should be contained and collected with an absorbent material and deposited in a proper container for their disposition or confinement. This material is not regulated by the RCRA or CERCLA. During the cleaning of this material, a proper breathing apparatus and protection clothes should be worn.

SECTION 7 – STORAGE AND HANDLING
General:

This product should be stored in closed, factory sealed containers at temperatures not exceeding 120°F (49°C). Product stored for a prolonged period of time should be kept under a nitrogen atmosphere.

Other Storage and Handling Data:

Recommended storage temperature: 70°F Minimum to 90°F Maximum

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SECTION 8 – PERSONAL PROTECTION

Clothing:	Gloves, coveralls, apron, boots as necessary to prevent skin contact.
Eyes:	Chemical goggles; also wear a face shield if splashing hazard exists.
Respiration:	Approved organic vapor mist respirator as necessary.
Ventilation:	Use local exhaust to control vapors/mists.
Explosion Proofing:	None required.
Other:	N/A

SECTION 9 – PHYSICAL PROPERTIES

Color:	Clear
Form/Appearance:	Liquid
Odor:	Characteristic
Odor Intensity:	NA

	Typical	Low/High	U.O.M.	
Specific Gravity:	1.125		@ 25°C / 25°C	
Viscosity:	7.4	6.8 / 8.0	cSt @ 98.9°C	
PH:	6.0	4.5 / 7.5	5% in Aqueous Solution @ 25°C	
	Typical	Low/High	Deg.	Pressure
Boiling Point:	>200		°C	
Freezing Point:	6 (43)	4 / 8 (39 / 46)	°C (°F)	
Critical Temperature	N/A			
Solubility:	N/A			
	Typical	Low/High	U.O.M.	Temperature
Solubility in water:	100		%	@ 20°C
Vapor Density (Air 1):	N/A			

SECTION 10 – STABILITY AND REACTIVITY

Stability Data:	Stable
Incompatibility:	Strong alkalis and oxidizing materials
Conditions/Hazards to Avoid:	Temperature above flash point
Hazardous Decomposition:	Hazardous decomposition products: CO and CO ₂ .
Hazardous Polymerization:	Not occur.
Corrosive Properties:	Not Corrosive.
Oxidizer Properties:	Not Oxidizing

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SECTION 11 – TOXICOLOGY INFORMATION

Acute Health Hazards:	Results:
Ingestion	LD50: >5,000 mg/kg Species: Rat.
Inhalation	No data available on this product.
Dermal	No data available on this product.
Eye irritation/corrosion	Severe eye irritation.
Skin irritation/corrosion	Moderate skin irritation.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity effects:	Results:
Aquatic toxicity:	≥500 mg/L
Toxicity to fish	LC50: >500 mg/L
Toxicity to Invertebrate	EC50: >500 mg/L
Toxicity to algae	IC50: >5,000 mg/L

Persistence and degradability:	Results:
Biodegradability	Readily biodegradable, as defined by OECD, substance that Degrades >70% with a 13 day window over 28 days
Mobility	No data is available on this product.
Bioaccumulation	No data is available on this product.

SECTION 13 – DISPOSAL CONSIDERATIONS
Waste Disposal:

Incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

Container Disposal:

Steel drums must be emptied (as defined by RCRA, Section 261.7 or state regulations that may be more stringent) and can be sent to a licensed drum reconditioned for reuse, a scrap metal dealer or an approved landfill. Drums destined for a scrap dealer or landfill to be punctured or crushed to prevent reuse.

SECTION 14 – TRANSPORT INFORMATION
Components

CAS:	25322-68-3
Name:	Polyethylene Glycols

DOT

Not dangerous goods

TDG

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Additional Information:

No additional information available.

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SECTION 15 – REGULATORY INFORMATION
Components

CAS:	25322-68-3
Name:	Polyethylene Glycols

Inventory Statement:

Country	Regulatory List	Statement
USA	TSCA	Listed on Inventory
Canada	DSL	Listed on Inventory
EU	EINECS	Listed on Inventory
Australia	AICS	Listed on Inventory
China	SEPA	Listed on Inventory

Additional Information:

This product meets the criteria of the US EPA Design for Environment (DfE) Surfactant screen.

SECTION 16 – OTHER INFORMATION
Hazard Ratings

Normally ENVIRONMENTAL FLUIDS uses Paintings and Coverings Association valuation method. The use of an asterisk (*) indicates the potential of health effect in the NFPA valuation.

Hazard Ratings:

	Health:	Flammability:	Reactivity:	Special:
NFPA:	1	1	0	N/A

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