

## SECTION 1: Product and Company Identification

### Identification of the substance or mixture

**Product Name:** EasyPrep Insect Protein Extraction Buffer  
**Catalog #:** 10451

### Company Identification

Cepharm Life Sciences Inc.  
11830 W Market Place, Suite K  
Fulton, MD 20759  
USA  
Toll Free: 1-800-257-1565  
Phone: 410-636-4954

**24-hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Toll Free: 1-800-424-9300/ +1 703-527-3887 CCN 1010970**

**For Research Use Only. Not for use in diagnostic procedures.**

## SECTION 2: Hazards identification

### OSHA/HCS status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product

### Classification of the substance or mixture

#### GHS label elements

**Signal word** No signal word

**Hazard statements** No known significant effects or critical hazards.

#### Precautionary statements

**Prevention** Not applicable.

**Response** Not applicable.

**Storage** Not applicable.

**Disposal** Not classified.

**Hazards not otherwise classified** None known.

## SECTION 3: Composition / Information on Ingredients

**Substance/mixture** Mixture  
**Other means of identification** Available  
**CAS number/other identifiers**  
**CAS number** Not available.

## SECTION 4: First Aid Measures

### Description of necessary first aid measures

**Eye contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

## SECTION 5: Firefighting Measures

### Extinguishing media

**Suitable extinguishing media** Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** None known.

### **Specific hazards arising from the chemical**

In a fire or if heated, a pressure increase will occur and the container may burst.

### **Hazardous thermal decomposition products**

No specific data.

### **Special protective actions for fire-fighters**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

### **Special protective equipment for fire-fighters**

Fire-fighters should wear appropriate protective equipment and self-contained breathing equipment for fire-fighters apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## SECTION 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

**Environmental precautions** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## SECTION 7: Handling & Storage

### Precautions for safe handling

#### **Protective measures**

#### **Advice on general occupational hygiene**

Put on appropriate personal protective equipment (see Section 8).

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### **Conditions for safe storage, including any incompatibilities**

Store between the following temperatures: 2 to 8°C (35.6 to 46.4°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## SECTION 8: Exposure Controls / Personal Protection

### Control parameters

<b>Occupational exposure limits</b>	None.
<b>Appropriate engineering controls</b>	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Environmental exposure controls</b>	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

<b>Hygiene measures</b>	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Eye/face protection</b>	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
<b>Skin protection</b>	
<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
<b>Body protection</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Other skin protection</b>	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory protection</b>	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## SECTION 9: Physical and Chemical Properties

### Appearance

<b>Physical state</b>	Liquid.
<b>Color</b>	Colorless
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not available
<b>pH</b>	7.3 to 7.7
<b>Melting point</b>	Not available
<b>Boiling point</b>	Product does not sustain combustion
<b>Flash point</b>	Not available
<b>Burning time</b>	Not available
<b>Burning rate</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Lower and upper explosive (flammable) limits</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available
<b>Solubility</b>	Soluble in the following materials: cold water and hot water
<b>Solubility in water</b>	Not available
<b>Partition coefficient: noctanol/water</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>SADT</b>	Not available
<b>Viscosity</b>	Not available

## SECTION 10: Stability & Reactivity

<b>Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	The product is stable.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Conditions to avoid</b>	No specific data.
<b>Incompatible materials</b>	No specific data.
<b>Hazardous decomposition products:</b>	Under normal conditions of storage and use, hazardous reactions will not occur.

## SECTION 11: Toxicological Information

### Information on toxicological effects

<b>Acute toxicity</b>	Not available.
<b>Conclusion/Summary:</b>	To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.
<b>Irritation/Corrosion</b>	Not available.
<b>Sensitization</b>	Not available.
<b>Mutagenicity</b>	Not available.
<b>Carcinogenicity</b>	Not available.
<b>Reproductive toxicity</b>	Not available.
<b>Teratogenicity</b>	Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on the likely routes of entry anticipated:

Oral, Dermal, Inhalation. routes of exposure

### Potential acute health effects

**Eye contact:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Skin contact:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** No specific data.

**Inhalation** No specific data.

**Skin contact** No specific data.

**Ingestion** No specific data.

### Delayed and immediate effect

#### Short term exposure

**Potential immediate effects:** Not available

**Potential delayed effects:** Not available

#### Long term exposure

**Potential immediate effects:** Not available

**Potential delayed effects:** Not available

### Potential chronic health effects

**General** Not available

**Carcinogenicity** Not available

**Mutagenicity** Not available

**Teratogenicity** Not available

**Developmental effects** Not available

**Fertility effects** Not available

### Numerical measures of toxicity

**Acute toxicity estimates** Not available.

## SECTION 12: Ecological Information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

**Soil/water partition coefficient (KOC)**

**Other adverse effects:** Not available.

No known significant effects or critical hazards.

## SECTION 13: Disposal Considerations

**Disposal methods** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport Information

### DOT Classification

**UN Number** Not regulated  
**UN proper shipping name** -  
**Transport hazard class(es)** -  
**Packing group** -  
**Environmental hazards** No.  
**Additional information** -

### IATA

**UN Number** Not regulated  
**UN proper shipping name** -  
**Transport hazard class(es)** -  
**Packing group** -  
**Environmental hazards** No.  
**Additional information** -

**Special precautions for user:** Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
Not available.

## SECTION 15: Regulatory Information

U.S. Federal regulations **TSCA 8(a) PAIR:** Poly(oxy-1,2-ethanediyl),  $\alpha$ -[(1,1,3,3-tetramethylbutyl)phenyl]- $\omega$ -hydroxy  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** All components are listed or exempted.

**Clean Air Act Section 112  
(b) Hazardous Air  
Pollutants (HAPs)**

Not listed

**Clean Air Act Section 602  
Class I Substances**

Not listed

**Clean Air Act Section 602  
Class II Substances**

Not listed

**DEA List I Chemicals  
(Precursor Chemicals)**

Not listed

**DEA List II Chemicals  
(Essential Chemicals)**

Not listed

### SARA 302/304:

#### Composition / Information on Ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Ethylene oxide	0 – 0.1	Yes.	1000	-	10	-

**SARA 304 RQ:** 2359046945 lbs / 1071007313 kg

### **SARA 311/312**

**Classification:** Not applicable.

### Composition/information on ingredients

No products were found.

**State regulations**

**Massachusetts:** None of the components are listed.  
**New York:** None of the components are listed.  
**New Jersey:** None of the components are listed.  
**Pennsylvania:** None of the components are listed.

**California Prop. 65**

**WARNING:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

**WARNING:** This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
1,4-dioxane	Yes	No	30 ug/day (ingestion) 30 ug/day (inhalation)	No.
Ethylene oxide	Yes	Yes	2 ug/day (ingestion) 2 ug/day (inhalation)	20 ug/day (ingestion) 20 ug/day (inhalation)

**Canada inventory:** All components are listed or exempted.

**International regulations**  
**International lists**

**Australia inventory (AICS):** All components are listed or exempted.

**China inventory (IECSC):** All components are listed or exempted.

**Japan inventory:** Not determined.

**Korea inventory:** All components are listed or exempted.

**Malaysia Inventory (EHS Register):** Not determined.

**New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.

**Philippines inventory (PICCS):** All components are listed or exempted.

**Taiwan inventory (CSNN):** Not determined.

**Chemical Weapons Convention List Schedule I Chemicals**

Not listed

**Chemical Weapons Convention List Schedule II Chemicals**

Not listed

**Chemical Weapons Convention List Schedule III Chemicals**

Not listed

<b>SECTION 16: Other Information</b>
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**Hazardous Material Information System (U.S.A.)**

Health	0
Chronic Health Hazard	0
Flammability	0
Physical hazard	0

**National Fire Protection Association (U.S.A.)**

Health	0
Flammability	0
Instability / Reactivity	0
Special	

**Disclaimer:**

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not represent any guarantee of the properties of the product. Cepham Life Sciences Incorporated and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.