

# Safety Data Sheet

## PCRopsis™ Elution Buffer

### Section 1: Chemical Product and Company Identification

**Product Name:** PCRopsis™ Elution Buffer  
**Catalog No.:** 358001 / 358025 / 358100 / 3581000  
**CAS#:** Mixture.  
**RTECS:** Mixture.  
**TSCA:** TSCA 8(b) inventory: Components were listed.  
**CI#:** Not applicable.  
**Synonym:** None  
**Chemical Name:** Not applicable.  
**Identified Uses:** Research Use Only

**Contact Information of Manufacturer:**  
**Entopsis, Inc.**  
7600 NW 69th Ave.  
Medley, FL 33166  
E-mail: info@entopsis.com  
24-hour Emergency: 1-888-407-5070

### Section 2: Composition and Information on Ingredients

#### Composition:

Name	CAS# / RTECS#	% by Weight
Trade Secret	Trade Secret	<1%
Trade Secret	Trade Secret	<1%
Trade Secret	Trade Secret	<1%
Trade Secret	Trade Secret	<1%
Trade Secret	Trade Secret	<2%
Sodium Azide	26628-22-8 / VY8050000	0.04%

#### Toxicological Data on Ingredients:

**Information on Toxicological Effects:** The toxicological effects of this product have not been thoroughly studied.

Sodium azide - Toxicity Data: Oral LD50 (rat): 27 mg/kg; Oral TDLO (woman): 3 mg/kg; Intraperitoneal LDLO (rat): 30 mg/kg; Subcutaneous LD50 (rat): 45100 ug/kg;

**Chronic Toxicological Effects:** Sodium azide - Investigated as an agricultural chemical, drug, mutagen, reproductive effector, and tumorigen. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Sodium azide RTECS Number: VY8050000

**Carcinogenicity:** NTP? No      IARC Monographs? No      OSHA Regulated? No

### Section 3: Hazards Identification

#### Potential Acute Health Effects:

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant). Toxic if swallowed.

#### Label elements:

**GHS Signal Word:** None

**GHS Precaution Phrases:** No phrases apply.

**GHS Response Phrases:** No phrases apply.

#### GHS Storage and Disposal Phrases:

Please refer to Section 7 for Storage and Section 13 for Disposal information.

#### Adverse Human Health Effects and Symptoms:

Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been

thoroughly investigated.

#### Section 4: First Aid Measures

**Eye Contact:**

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

**Skin Contact:**

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:**

If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

#### Section 5: Fire and Explosion Data

**Flammability of the Product:** Not Flammable.

**Auto-Ignition Temperature:** No data

**Flash Points:** No data

**Flammable Limits:** No data

**Products of Combustion:** No data

**Fire Hazards in Presence of Various Substances:** No data

**Explosion Hazards in Presence of Various Substances:** No data

**Fire Fighting Media and Instructions:** No data

**Special Remarks on Fire Hazards:** No data

**Special Remarks on Explosion Hazards:** No data

#### Section 6: Accidental Release Measures

**Small Spill:**

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container

**Large Spill:**

Absorb with an inert dry material and place in an appropriate waste disposal container. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

#### Section 7: Handling and Storage

**Handling:**

Wear suitable protective clothing. If ingested, seek medical advice immediately and show the SDS. Avoid contact with skin and eyes.

**Storage:**

Store 4 - 25°C.

## Section 8: Exposure Controls/Personal Protection

### Engineering Controls:

Ensure that eyewash stations and safety showers are proximal to the work-station location.

### Personal Protection:

Splash goggles. Lab coat. Gloves.

### Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. NIOSH respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

## Section 9: Physical and Chemical Properties

**Physical state and appearance:** Liquid. (Liquid.)

**Odor:** No data

**Taste:** No data

**Color:** Clear with haziness

**pH:** 8 (Basic)

**Boiling Point:** No data

**Melting Point:** No data

**Critical Temperature:** No data

**Specific Gravity:** No data

**Vapor Pressure:** No data

**Vapor Density:** No data

**Volatility:** No data

**Odor Threshold:** No data

**Water/Oil Dist. Coeff.:** No data

**Ionicity (in Water):** No data

**Dispersion Properties:** Soluble in water

**Solubility:** Soluble in cold water, hot water

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** No data

**Corrosivity:** No data

**Special Remarks on Reactivity:** No data

**Special Remarks on Corrosivity:** No data

**Polymerization:** Will not occur.

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability:** Stable at cool - normal conditions.

**Instability Temperature:** No data

**Conditions of Instability:** No data

**Hazardous decomposition products:** No data

**Corrosivity:** Non-corrosive

**Special Remarks on Reactivity:** No data

**Special Remarks on Corrosivity:** No data

**Polymerization:** Will not occur.

### Section 11: Toxicological Information

**Information on Toxicological Effects:** The toxicological effects of this product have not been thoroughly studied.

Sodium azide - Toxicity Data: Oral LD50 (rat): 27 mg/kg; Oral TDLO (woman): 3 mg/kg; Intraperitoneal LDLO (rat): 30 mg/kg; Subcutaneous LD50 (rat): 45100 ug/kg;

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**Carcinogenicity:** NTP? No      IARC Monographs? No      OSHA Regulated? No

### Section 12: Ecological Information

**Ecotoxicity:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**BOD5 and COD:** No data

**Products of Biodegradation:** Hazardous short-term degradation products are not likely. However, long-term degradation products are unknown.

**Toxicity of the Products of Biodegradation:** No data

**Special Remarks on the Products of Biodegradation:** No data

### Section 13: Disposal Considerations

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### Section 14: Transport Information

**DOT Classification:** Not dangerous goods

**Identification:**

**Special Provisions for Transport:** Transport in accordance with local, state and federal regulations

### Section 15: Other Regulatory Information

This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.

**Federal and State Regulations:**

**Other Regulations:**

**Other Classifications:**

**DSCL (EEC):**

**HMIS (U.S.A.):**

**Health Hazard:** 0

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:**

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

**Health:** 0

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

Gloves. Lab coat. Respirator if conditions demand. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

## Section 16: Other Information

**References:**

**Other Special Considerations:** Not available.

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