Zinc Chloride Solution (PTAH)

1. Identification

Product Name: Zinc Chloride Solution (PTAH)

Item #: SKC1171-125, SKC1171-250, SKC1171-500

Web SDS:

Synonyms: N/A

Recommended Use: Laboratory Reagent

Restrictions on Use: Any use other than recommended

Manufacturer:
BBC Biochemical
409 Eleanor Lane,
Mount Vernon, WA 98273
1-800-635-4477

In Case of Emergency:
Chemtrec US 1-800-424-9300
Chemtrec International 703-527-3887

2. Hazards Identification

OSHA Hazard Classification(s):
Skin Corrosion - Category 1B
Eye Damage - Category 1

Signal Word: Danger

Hazard Statement(s): Causes severe skin burns and eye damage. Toxic to aquatic life with long-lasting effects.

Pictogram(s):

Precautionary Statement(s): Prevention: Avoid breathing dust, vapors. Use only outdoors or in a well-ventilated area. Wash body thoroughly after handling. Wear protective gloves. Wear eye protection, face protection. Wear NIOSH approved respiratory protection. Contaminated work clothing must not be allowed out of the workplace. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection and face protection. Do not eat, drink or smoke when using this product. If on skin: Wash with plenty of soap and water. Get medical attention if irritation develops. If in eyes: Rinse carefully with water for several minutes. Get immediate medical advice/attention. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor. Harmful if swallowed, do not ingest. If ingested, seek medical attention immediately.

Descriptions of Hazards not otherwise classified: N/A

Percent of mixture with unknown acute toxicity: N/A

3. Composition and Information on Ingredients

Chemical Name	Common Name	CAS #	Concentration %
Zinc Chloride		7646-85-7	7-11
Acetic Acid		200-580-7	0.1-0.4

4. First Aid Measures

Eye Contact: Remove contact lenses if present and easy to do so. Immediately flush eyes with large amounts of water and get immediate medical attention.

Skin Contact: Remove contaminated clothing and wash contact area with soap and large amounts of water. Get medical assistance if irritation develops.

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms worsen.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, position victim to avoid aspiration of vomit.

Symptoms: See section 2 and 11.

Recommendations for immediate medical care/special treatment: No data available.

5. Fire- Fighting Measures

Extinguishing Media: Dry chemical, carbon dioxide, alcohol foam.
Fire Hazards (Chemical): N/A
Special Protective Equipment: Fire fighters should use self-contained breathing apparatus and protective clothing.
Precautions for Firefighters: Carbon monoxide and unidentified organic compounds may be formed during combustion.

6. Accidental Release Measures

Emergency Procedures: Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.
Protective Equipment: See section 8
Environmental Precautions: Prevent release to the environment by using barriers. Avoid release to sewers.
Containment and Clean-Up Procedures: Use barriers to prevent spreading. Collect spill in container using absorbent material. Call waste authorities for proper disposal.

7. Handling and Storage

Handling: Avoid contact with skin and eyes. Wash thoroughly after handling. Avoid breathing mists or vapor.
Storage: Store in well-ventilated area and keep container tightly closed. Store at ambient temperatures.

8. Exposure Controls/Personal Protection

OSHA Permissible Exposure Limits (PELs):

Reagent	CAS #	OSHA PEL TWA
Acetic Acid	200-580-7	10 ppm (25 mg/m3) TWA

ACGIH Threshold Limit Values (TLVs):

Reagent	CAS #	ACGIH PEL TLV	ACGIH STEL
Acetic Acid	200-580-7	10 ppm (25 mg/m3) TWA	15 ppm (37 mg/m3) STEL

Engineering Controls: Use in a well ventilated area to prevent exposure. Maintain eyewash fountain and quick-drench facilities in work areas.
Personal Protective Measures: Wear gloves, lab coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this material.
Special PPE Requirements: If ventilation hood not available wear respirator.

9. Physical and Chemical Properties Section

Appearance: Colorless, Colorless Liquid
Molecular Weight: N/A
Molecular Formula: N/A
pH: N/A
Boiling Point and Boiling Range: N/A
Melting Point/Freezing Point: N/A
Flash Point: N/A
Specific Gravity/Relative Density: N/A
Odor: Odorless
Odor Threshold: N/A
Color: Colorless
Flammability (solid/gas): N/A
Vapor Density: N/A
Upper/Lower flammability or explosive limits: N/A
Vapor Pressure: N/A

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Evaporation Rate: N/A
Partition Coefficient: n-octanol/water: N/A
Viscosity: N/A
Auto-ignition temperature: N/A
Solubility: N/A
Decomposition Temperature: N/A

10. Stability and Reactivity

Reactivity: No relevant data
Chemical Stability: Stable
Conditions of Stability/Instability: Stable under normal conditions of temperature and pressure
Stabilizers needed: None
Safety issue indicated by appearance change: N/A
Other: N/A
Hazardous Reactions: N/A
Hazardous Polymerization: Does not occur
Conditions to avoid: N/A
Classes of Incompatible Materials: Strong oxidizers.
Hazardous Decomposition Products: Hydrogen chloride gas, metal oxides. Unknown combustion products may be release in a fire.

11. Toxicological Information

Likely Routes of Exposure

Eyes: Corrosive to eyes; may result in serious eye damage or irritation.
Skin: Corrosive to skin and mucous membranes; may result in injury or severe irritation.
Inhalation: No data available.
Ingestion: Nausea, vomiting. Seek immediate medical attention.

Signs or Symptoms of Exposure: N/A
Effects from short term exposure (delayed, immediate, chronic): Irritation to the eyes, nose, throat; headache, dizziness, nausea, vomiting.
Acute Toxicity (Numerical Measures): N/A
Carcinogenicity (NTP, IARC, OSHA): N/A

12. Ecological Information

Ecotoxicity: N/A
Persistence and degradability: N/A
Bioaccumulation Potential (octanol-water partition coefficient, BCF): N/A
Mobility in the soil: Soluble in water. Highly mobile in soil and easily spreads in water networks.
Adverse Environmental Effects: N/A

13. Disposal Considerations

Recommended Disposal Containers: Check with your local waste authorities*
Recommended Disposal Methods: Do not dispose of in drains, check with your local waste authorities.*
Physical/Chemical Properties affecting Disposal: See section 2 and section 9 applicable information.*
Special Precautions for Landfill and Incineration Activities: Check with your local waste authorities.*
Waste Stream: Consult your local or regional authorities.*

14. Transport Information

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UN Number: 1840
UN Proper Shipping Name: Zinc Chloride, Solution
Transport Hazard Class(es): 8
Packing Group Number: III
Environmental Hazards (IMDG code):
Marine Pollutant:
Transport in Bulk (IBC Code):
Special Transport Precautions:

15. Regulatory Information

OSHA: N/A
DOT: N/A
EPA: N/A
CPSC: N/A

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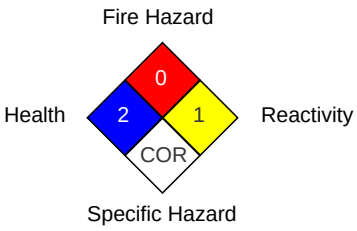
16. Other Information

Revision Date: 04/30/2018

NFPA

Health	2
Fire Hazard	0
Reactivity	1
Specific Hazard	COR

National Fire Protection Association (USA) NFPA



HMIS

Health	2
Flammability	0
Physical Hazard	1
Personal Protection	

Hazardous Material Information System HMIS

Health	2
Flammability	0
Physical Hazard	1
Personal Protection	

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

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