

## SAFETY DATA SHEET

### SECTION I: IDENTIFICATION

**Product:** CT 9131

**Description:** Non-Foam Acid CIP

**Company Identification:** Chemtech, Inc.  
1621 N. 1st St.  
Winterset, IA 50273  
Phone: 888-570-5333  
Website: www.chemtechus.com



**Company Emergency Telephone Number:** CHEMTREC 1-800-424-9300

### SECTION II: HAZARD(S) IDENTIFICATION

#### GHS CLASSIFICATION

**Skin Corrosion/Irritation:** Category 1 Sub-category A

**Eye Damage/Eye Irritation:** Category 1

**Corrosive to Metals:** Category 1

#### GHS LABEL ELEMENTS

**Signal Word:** **Danger**

**Hazard Symbol:**



**Hazard Statements:** Causes severe burns and serious eye damage. - H314  
Causes serious eye damage. - H318  
May be corrosive to metals. - H290

#### PRECAUTIONARY STATEMENTS

**Prevention:** Do not breathe dust/fumes/gas/mist/vapors/spray. - P260  
Wear protective gloves/protective clothing/eye protection/face protection. - P280  
Wash hands, forearms, and other exposed areas thoroughly after handling. - P264  
Keep in original or other corrosion resistant container. - P234

**Response:** Immediately call a POISON CENTER or doctor/physician. - P310

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. - P305+351+338

**Skin:** IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. - P303+361+353

**Inhalation:** IF INHALED: Move victim to fresh air and keep at rest in a position comfortable for breathing. - P304+340

**Ingestion:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. - P301+330+331

**Spill:** Absorb spillage to prevent material damage. - P390

**Storage:** Store locked up. - P405  
Store in a corrosive resistant container. - P406

**Disposal:** Dispose of contents and container in accordance with local, state and federal regulations. - P501

**Hazards Not Classified:** Not applicable.

**Additional Information:** Corrosive.  
Keep out of reach children. - P102  
Wash contaminated clothing before reuse. - P363

### SECTION III: COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name   | CAS #      | Weight - % |
|-----------------|------------|------------|
| Water           | 7732-18-5  | 30-50%     |
| Phosphoric Acid | 7664-38-2  | 37-42%     |
| Glycolic Acid   | 00079-14-1 | 17-22%     |

Specific chemical identity and/or exact percentage of mixture has been withheld as a trade secret.

### SECTION IV: FIRST AID MEASURES

**Eye Contact:** Rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical assistance immediately.

**Skin Contact:** Immediately remove all contaminated clothing. Rinse with water or shower for at least 15 minutes. If irritation persists, IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**Inhalation:** Move victim to fresh air and keep at rest in a comfortable position for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**Ingestion:** Rinse mouth. DO NOT INDUCE VOMITING. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

### SYMPTOMS OF EXPOSURE

**Eye Contact:** Causes serious eye damage.

**Skin Contact:** Causes severe burns and eye damage.

**Inhalation:** Contact may cause severe irritation causing chemical burns.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects. May cause immediate severe irritation quickly turning to chemical burns.

### IMMEDIATE, DELAYED, CHRONIC EFFECTS

**Product Information:** Data not available or insufficient.

**Target Organ Effects:** Eyes, Respiratory System, Skin.

**Carcinogenicity:** No components present at 0.1% or greater are listed to be carcinogens by ACGIH, IARC, NTP or OSHA.

### SECTION V: FIRE-FIGHTING MEASURES

**Extinguishing Media:** Product does not support combustion. Use extinguishing agent suitable for type of surrounding fire.

**Specific Hazards From the Chemical:** Dried product is capable of burning.

**Hazardous Combustion Products:** May include carbon monoxide, carbon dioxide and other toxic gases or vapors.

**Protective Equipment/Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

## SECTION VI: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for Cleaning Up:** If safe to do so, prevent further leakage or spillage. Contain and collect spillage with non-combustible absorbent material. Place in container for disposal according to local/national regulations (see Section 13).

## SECTION VII: HANDLING AND STORAGE

**Safe Handling:** Do not breathe mist or vapor. Do not get in eyes, on skin or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

**Storage Conditions for Safe Storage, Including any Incompatibilities:** Store in original, tightly closed, container. Store away from incompatible materials (see Section 10).

## SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational Exposure Limits:** None established.

| Chemical Name   | ACGIH TLV  | OSHA PEL             | NIOSH  |
|-----------------|--|----------------------|--|
| Phosphoric Acid | 3 mg/m <sup>3</sup> (STEL) / 1 mg/m <sup>3</sup> (TWA) | 1 mg/m <sup>3</sup>  | 3 mg/m <sup>3</sup> (STEL) / 1 mg/m <sup>3</sup> (TWA) |
| Glycolic Acid   | 25 mg/m <sup>3</sup>                                   | 25 mg/m <sup>3</sup> |  |

**Engineering Controls:** Ensure good general ventilation. Eye wash stations and shower facilities should be readily accessible in areas where product is handled.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Eye/Face Protection:** Wear splash goggles. For product usage over head wear a face shield over goggles.

**Skin/Body Protection:** Wear rubber or other chemical resistant gloves. Use of apron, boots and other protective equipment should be considered to prevent or minimize product exposure.

**Respiratory Protection:** Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use MSHA/NIOSH approved respirator according to conditions and chemicals in Section 3.

**General Hygiene:** Wash hands and any other exposed skin thoroughly after handling. For further guidance reference 29 CFR 1910.132-138.

## SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

|                                |   |
|--------------------------------|---|
| Appearance / Color             | Liquid / Amber                              |
| Odor                           | Mild  |
| pH                             | 1.0 - 1.5                                   |
| Melting Point / Freezing Point | No information available                    |
| Boiling Point / Boiling Range  | 212 <sup>o</sup> F                          |
| Flash Point                    | > 100 <sup>o</sup> C / > 212 <sup>o</sup> F |
| Evaporation Rate               | No information available                    |
| Flammability (Solid, gas)      | No information available                    |
| Upper Flammability Limit       | No information available                    |
| Lower Flammability Limit       | No information available                    |
| Vapor Pressure                 | No information available                    |
| Vapor Density                  | No information available                    |
| Specific Gravity               | 1.22  |
| Solubility(ies)                | No information available                    |
| Partition Coefficient          | No information available                    |
| Autoignition Temperature       | No information available                    |

|                                  |                          |
|----------------------------------|--------------------------|
| <b>Decomposition Temperature</b> | No information available |
| <b>Viscosity</b>                 | No information available |

## SECTION X: STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Reactivity:</b>                        | Thermal decomposition generates corrosive vapors. When heated to decomposition, emits toxic fumes. Corrosive to metals. Explosive hydrogen gas. Contains an oxidizing material which may accelerate fire. |
| <b>Chemical Stability:</b>                | Stable under normal conditions.   |
| <b>Possibility of Hazardous Reaction:</b> | Hazardous polymerization will not occur.  |
| <b>Conditions to Avoid:</b>               | Direct sunlight. Extreme temperatures. Heat. Prolonged contact to metals. Combustible material. Incompatible materials.   |
| <b>Incompatible Materials:</b>            | Strong bases. Metals. Combustible material. Organic materials.  |
| <b>Hazardous Decomposition:</b>           | Carbon oxides. Thermal decomposition generates toxic gases, corrosive vapors, phosphorus oxides, nitrogen oxides.   |

## SECTION XI: TOXICOLOGICAL INFORMATION

### NUMERICAL MEASURES OF TOXICITY

#### Component Acute Toxicity:

| Chemical Name   | Oral LD50         | Dermal LD50           |
|-----------------|-------------------|-----------------------|
| Phosphoric Acid | 1,530 mg/kg (Rat) | 2,740 mg/kg (Rabbit)  |
| Glycolic Acid   | 2,040 mg/kg (Rat) | > 5,000 mg/kg (Human) |

\* When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimated was used in the calculation of the products ATE (Acute Toxicity Estimate).

|                              |   |
|------------------------------|---|
| <b>Symptoms of Exposure:</b> | Eyes, Skin, Ingestion, Inhalation.  |
| <b>Eye Contact:</b>          | Causes serious eye damage.  |
| <b>Skin Contact:</b>         | Causes severe burns and eye damage.   |
| <b>Inhalation:</b>           | Contact may cause severe irritation causing chemical burns.   |
| <b>Ingestion:</b>            | Ingestion is likely to be harmful or have adverse effects. May cause immediate severe irritation quickly turning to chemical burns. |

### IMMEDIATE, DELAYED, CHRONIC EFFECTS

|                              |  |
|------------------------------|--|
| <b>Product Information:</b>  | Data not available or insufficient.  |
| <b>Target Organ Effects:</b> | Eyes, Respiratory System, Skin.  |
| <b>Carcinogenicity:</b>      | No components present at 0.1% or greater are listed to be carcinogens by ACGIH, IARC, NTP or OSHA. |

## SECTION XII: ECOLOGICAL INFORMATION

### ECOTOXICITY

| Chemical Name   | Algae/Aquatic Plants  | Fish                | Microtoxicity  | Crustacea                                       |
|-----------------|---|---------------------|--|---|
| Glycolic Acid   | ErC50 44 mg/l, 72 hrs (OECD) / NOEC 20 mg/l, 72 hrs (OECD) test guideline 201 | 164 mg/l, 96 hours  |  | EC50 141 mg/l, 48 hrs (OECD) test guideline 202 |
| Phosphoric Acid | 3 mg/m <sup>3</sup> (STEL) / 1 mg/m <sup>3</sup> (TWA)                        | 1 mg/m <sup>3</sup> | 3 mg/m <sup>3</sup> (STEL) / 1 mg/m <sup>3</sup> (TWA) |   |

|                                       |                |
|---------------------------------------|----------------|
| <b>Persistence and Degradability:</b> | Not available. |
|---------------------------------------|----------------|

**Bioaccumulative Potential:** Not available.

**Mobility in Soil:** Not available.

**SECTION XIII: DISPOSAL CONSIDERATIONS**

**Disposal of Waste:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

**SECTION XIV: TRANSPORT INFORMATION**

**DOT:**

**UN/ID #:** 1760

**Proper Shipping Name:** Compound, Cleaning Liquid, (Glycolic Acid, Phosphoric Acid Solution).

**Hazard Class:** 8

**Packing Group:** II

**SECTION XV: REGULATORY INFORMATION**

**TSCA Status: (Toxic Substance Control Act Section 8(b) Inventory):**

All chemical components in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313:** This product does not contain listed substances above the "de minimus" level.

**SARA 311/312 HAZARD CATEGORIES**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Sudden Release of Pressure Hazard:** No

**Reactive Hazard:** No

**California Proposition 65:** This product does not contain any Proposition 65 chemicals.

**SECTION XVI: OTHER INFORMATION**

**Issue Date:** 06/01/15

**HAZARD RATINGS:**

**Version #:** 1

|              |           |                 |                    |
|--------------|-----------|-----------------|--------------------|
| <b>NFPA:</b> | Health: 3 | Flammability: 0 | Reactivity: 0      |
| <b>HMIS:</b> | Health: 3 | Flammability: 0 | Physical Hazard: 0 |

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