



# PCI

## Polychem Corrosion Inhibitor

### Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

### U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

**PCI – POLYCHEM CORROSION INHIBITOR**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

### Section I

|  |   |
|--|---|
| Manufacturer's Name<br><b>GENERAL RESOURCE TECHNOLOGY</b>  | Emergency Telephone Number<br><b>(651) 454-4151      800-324-8154</b> |
| Address (Number, Street, City, State, and ZIP Code)<br><b>2978 CENTER COURT, EAGAN, MN 55121</b> | Telephone Number for Information<br><b>(651) 454-4151</b>             |
|  | Date Prepared<br><b>3/02</b>  |
|  | Signature of Preparer (optional)                                      |

### Section II — Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity: Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|---|----------|-----------|--------------------------|--------------|
| <b>Calcium Nitrite      CAS# 7632-00-0</b>                        |          |           |                          |              |

**The specific identity of some ingredients may be withheld for confidential business purposes. However, all known potential health effects from exposure to these ingredients are being addressed.**

### Section III — Physical Chemical Characteristics

|                         |              |   |            |
|-------------------------|--------------|---|------------|
| Boiling Point           | <b>212°F</b> | Specific Gravity (H <sub>2</sub> O = 1) | <b>1.3</b> |
| Vapor Pressure (mm Hg.) | <b>N/D</b>   | Melting Point                           | <b>N/A</b> |
| Vapor Density (AIR = 1) | <b>N/D</b>   | Evaporation Rate<br>Butyl Acetate = 1)  | <b>N/D</b> |

Solubility in Water

**Complete**

Appearance and Odor

**Dark brown liquid with iodine odor**

### Section IV — Fire and Explosion Hazard Data

|  |                                |                   |                   |
|--|--------------------------------|-------------------|-------------------|
| Flash Point (Method Used)<br><b>Non-flammable liquid</b> | Flammable Limits<br><b>N/A</b> | LEL<br><b>N/A</b> | UEL<br><b>N/A</b> |
|--|--------------------------------|-------------------|-------------------|

Extinguishing Media

**Use any**

Special Fire Fighting Procedures

**Cool outside of containers with water**

Unusual Fire and Explosion Hazards

**A self-contained breathing apparatus should always be available**

(Reproduce locally)

OSHA 174, Sept. 1985

N/D - Not Determined

N/A - Not Applicable

N/E - None Established



# PCI

## Section V — Reactivity Data

|           |          |   |                     |
|-----------|----------|---|---------------------|
| Stability | Unstable |   | Conditions to Avoid |
|           | Stable   | X |                     |

Incompatibility (Materials to Avoid)

**NE**

Hazardous Decomposition or Byproducts

**Excessive heat can release free iodine**

|                          |                |   |  |
|--------------------------|----------------|---|--|
| Hazardous Polymerization | May Occur      |   | Conditions to Avoid  |
|                          | Will Not Occur | X | <b>Avoid extreme heat. Do not store near sodium hypochlorite solutions</b> |

## Section VI — Health Hazard Data

|                    |             |       |            |
|--------------------|-------------|-------|------------|
| Route(s) of Entry: | Inhalation? | Skin? | Ingestion? |
|                    | No          | Yes   | Yes        |

Health Hazards (Acute and Chronic)

**Irritant - skin and eyes (only with severe over exposure)**

**Flush with cool water for 15 minutes. Get medical attention.**

|                  |               |                  |                 |
|------------------|---------------|------------------|-----------------|
| Carcinogenicity: | NTP?          | IARC Monographs? | OSHA Regulated? |
|                  | No data found | No data found    | No data found   |

Signs and Symptoms of Exposure

Medical Conditions  
Generally Aggravated by Exposure **NE**

Emergency and First Aid Procedures

**Flush contacted area with copious amounts of water.**

**For eye contact, consult a physician**

## Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

**Avoid areas where extremely high temperatures may occur. Wash thoroughly after handling.**

Waste Disposal Method

**Wear proper safety equipment. Evacuate and ventilate the area. Contain the liquid if possible. If liquid cannot be contained, absorb with diatomaceous earth.**

Precautions to Be Taken in Handling and Storing

**Wash thoroughly after handling.**

Other Precautions

## Section VIII — Control Measures

Respiratory Protection (Specify Type)

**MSA or NIOSH approved respirator with iodine cartridge, if necessary.**

|             |                      |             |
|-------------|----------------------|-------------|
| Ventilation | Local Exhaust        | Special     |
|             | <b>Recommended</b>   | <b>None</b> |
|             | Mechanical (General) | Other       |
|             | <b>None</b>          | <b>None</b> |

|                           |                                |
|---------------------------|--------------------------------|
| Protective Gloves         | Eye Protection                 |
| <b>Chemical resistant</b> | <b>Chemical worker goggles</b> |

Other Protective Clothing or Equipment

**None**

Work/Hygienic Practices

**Normal care. Wash hands with copious amounts of water**

**HEALTH**

**1**

**REACTIVITY**

**0**

**FLAMMABILITY**

**0**

**PERSONAL PROTECTION**

**X**



**SPLASH GOGGLES**



**PROPER GLOVES**