# MATERIAL SAFETY DATA SHEET

**Date Issued:** 12/14/2006
**MSDS No:** WCL2
**Date Revised:** 03/24/2008
**Revision No:** 1

## CLOSED 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** CLOSED 2
**PRODUCT DESCRIPTION:** Industrial Water Treatment Compound
**PRODUCT CODE:** WCL2A
**PRODUCT FORMULATION NAME:** CLOSED 2

### MANUFACTURER

Zee Company, Inc.
4146 South Creek Road
Chattanooga TN 37406
**Emergency Contact:** James A. Faller
**Service Number:** (423) 698-1401

### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (800) 424-9300

## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Yellow Liquid

**IMMEDIATE CONCERNS:** Severe eye irritant.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Irritation or burning of eyes

**SKIN:** May irritate sensitive individuals after prolonged or repeated exposure.

**INGESTION:** May be harmful if ingested.

**INHALATION:** May be minor irritant in extreme cases of exposure to atomized product.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Severe irritation and burning

**SKIN:** Redness and irritation

**INGESTION:** Gastric pain and vomiting

**INHALATION:** Coughing and sneezing from extreme exposure.

**CHRONIC EFFECTS:** N/A

**CARCINOGENICITY:** N/A

**MUTAGENICITY:** N/A

**REPRODUCTIVE TOXICITY**

**REPRODUCTIVE EFFECTS:** N/A

**TERATOGENIC EFFECTS:** N/A

**MEDICAL CONDITIONS AGGRAVATED:** None known

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

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| Chemical Name |
| --- |
| Contains no hazardous ingredients. |

## 4. FIRST AID MEASURES

**EYES:** Flush eyes with running water for at least 15 minutes. Get medical attention and check for corneal damage.

**SKIN:** Flush exposed skin with water for at least 15 minutes and get medical attention if irritation persists.

**INGESTION:** DO NOT induce vomiting. If conscious, give several large glasses of water. Never give anything by mouth to an unconscious person. Call physician immediately.

**INHALATION:** Move to fresh air. Get medical attention if irritation persists.

## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** None

**FLAMMABLE LIMITS:** NA to NA

**AUTOIGNITION TEMPERATURE:** None

**EXTINGUISHING MEDIA:** This material is not combustible. Use extinguishing media appropriate for surrounding fire.

**EXPLOSION HAZARDS:** NONE

**FIRE FIGHTING PROCEDURES:** NONE

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Mop up spill and flush area with water.

**LARGE SPILL:** Dike spill and vacuum or pump spilled material into proper storage container for hazardous waste disposal.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep this and all chemicals out of the reach of children.

**STORAGE:** Do not freeze. Keep container closed when not in use. Follow label instructions.

**ELECTROSTATIC ACCUMULATION HAZARD:** N/A

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Chemical resistant safety goggles/glasses with side shields.

**SKIN:** Chemical resistant gloves recommended for any prolonged or repeated contact with any chemicals.

**RESPIRATORY:** Not required

**PROTECTIVE CLOTHING:** Not required

**WORK HYGIENIC PRACTICES:** Always use goodhousekeeping procedures when handling chemicals.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mild odor

**APPEARANCE:** Clear liquid

**COLOR:** Yellow

**pH:** ~ 12.6

**PERCENT VOLATILE:** Not Established

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Not Established

**BOILING POINT:** > (212°F)

**FREEZING POINT:** Not Determined

**MELTING POINT:** Not Determined

**FLASHPOINT AND METHOD:** None

**SOLUBILITY IN WATER:** Completely Miscible

**EVAPORATION RATE:** < 1 (Water = 1)

**SPECIFIC GRAVITY:** ~ 1.180 g/ml

**WEIGHT PER VOLUME:** 9.9 lb/gal

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**POLYMERIZATION:** Hazardous polymerization will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Heat, carbon dioxide, carbon monoxide

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**INCOMPATIBLE MATERIALS:** None known

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY**

**IARC:** Ingredients not listed.

**NTP:** Ingredients not listed.

**OSHA:** Ingredients not listed.

## 12. ECOLOGICAL INFORMATION

**AQUATIC TOXICITY (ACUTE):** Ceriodaphnia dubia 48 hr. LC50 5908 mg/L. Pimphales promelas 48 hr. LC50 9116 mg/L.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with Federal, State and local regulations.

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Compound, Industrial Water Treating, Liquid

**TECHNICAL NAME:** Compound, Industrial Water Treating, Liquid

**BULK FREIGHT CLASS:** 55

## 15. REGULATORY INFORMATION

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Reporting required for inventory above TPQ

**ACUTE:** Yes

**313 REPORTABLE INGREDIENTS:** Not required

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** Section 302 reporting not required. Section 304 reporting is required for releases above the threshold amount listed.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** Same as section 304

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** INGREDIENTS LISTED

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**RCRA STATUS:** N/A

## 16. OTHER INFORMATION

**APPROVED BY:** James A. Faller **TITLE:** Director of Research

**PREPARED BY:** James A Faller

**INFORMATION CONTACT:** James Faller

**REVISION SUMMARY:** Revision #: 1 This MSDS replaces the December 14, 2006 MSDS. Any changes in information are as follows: In Section 12 Aquatic Toxicity (Acute)

**HMIS RATING**

| | |
|---|---|
| **HEALTH:** | 1 |
| **FLAMMABILITY:** | 0 |
| **PHYSICAL HAZARD:** | 0 |
| **PERSONAL PROTECTION:** | B |

**GENERAL STATEMENTS:** The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable, and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.