MATERIAL SAFETY DATA SHEET

Date Issued: 12/13/2006
MSDS No: WCL4
Date Revised: 03/24/2008
Revision No: 1

CLOSED 4

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CLOSED 4
PRODUCT DESCRIPTION: Industrial Water Treatment Compound
PRODUCT CODE: WCL4A
PRODUCT FORMULATION NAME: CLOSED 4

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: Straw-colored 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: Straw

pH: ~ 9

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: ~ 1.150 g/ml

WEIGHT PER VOLUME: 9.6 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 4.6 mg/L. Pimephales promelas 48 hr. LC50 88 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 13, 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.