

# MATERIAL SAFETY DATA SHEET

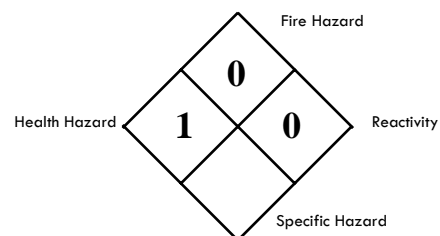


Texas Correctional Industries  
Texas Department of Criminal Justice

**Date Issued:** April 2012  
**Supersedes:** January 2008

## NFPA HAZARD RATING

**4-** SEVERE  
**3-** SERIOUS  
**2-** MODERATE  
**1-** SLIGHT  
**0-** INSIGNIFICANT



## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** **Crystal Clean**  
**General Use:** Liquid Dishwashing Detergent  
**Manufacturer Name:** Texas Correctional Industries  
Roach Soap & Detergent Plant  
15845 FM 164  
Childress, TX 79201

### Emergency Telephone Numbers

Galveston Texas Poison Control: **1-800-764-7661**  
Roach Soap & Detergent Plant Lab: 940-937-6364 EXT. 7392  
MSDS available at: [www.tci.tdcj.state.tx.us](http://www.tci.tdcj.state.tx.us)  
Monday thru Thursday: 5:30 AM – 3:30 PM

## SECTION 2 - HAZARDOUS INGREDIENT

Chemical/Common Name	CAS No.	PERCENT	ACGIH /OSHA		WHMIS
			TWA	PEL	
Benzene sulfonic acid, linear alkyl, sodium salt	68411-30-3	19 – 20	Unknown	Unknown	1%
Sodium Hydroxide	1310-73-2	4 - 5	Unknown	Unknown	1%
Diethanolamine	111-42-2	<0.3	2 mg/m <sup>3</sup>	None	1%
Ethylene oxide	75-2-8	<0.004	1 ppm	1 ppm	0.1%

N/A= Not Applicable

N/D = Not Determined

WHMIS – minimum amount necessary in a mixture to trigger reporting: 1% (hazardous chemical); 0.1% (extremely hazardous chemical)

## SECTION 3 - PHYSICAL PROPERTIES

Vapor Pressure : N/D  
Specific Gravity (water = 1) : 1.04  
Solubility in Water : Complete  
pH : 6.0 – 7.0  
Boiling Point : N/D  
Appearance and Odor : Clear light turquoise-blue liquid, "Green Apple" scent

## SECTION 4 - FIRE AND HAZARD DATA

Flammable Limit : N/A  
Physical Hazard : None  
Extinguishing Media : Water, foam, dry chemicals, or carbon dioxide  
Fire Extinguishing Procedure : Use of respiratory equipment is recommended in enclosed areas  
Fire and Explosive Hazard : None

## SECTION 5 - REACTIVE DATA

Hazardous Decomposition : Oxides of Carbon, Nitrogen, and Sulfur  
Stability : Stable  
Incompatibility : None

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## SECTION 6 - HEALTH HAZARD

Primary Route of Exposure : Eyes, skin, mouth (oral)  
Signs and Symptoms of Over Exposure (acute)  
Eyes : May cause eye irritation  
Skin : May cause redness or rash  
Ingestion : May cause gastrointestinal irritation  
Inhalation : N/A

Signs and Symptoms of Over Exposure (chronic) : Eye, skin irritation  
Medical condition aggravated by over exposure : Not known  
Carcinogen or suspect of carcinogen ingredients : None

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## SECTION 7 - EMERGENCY AND FIRST AID PROCEDURE

Eyes : Immediately flush eyes with plenty of water for at least 15 min. If irritation persists, get medical attention.  
Skin : Flush with copious amounts of water. Remove contaminated clothing and seek medical attention if irritation persists.  
Ingestion : Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting unless directed by physician.  
Inhalation : Move person to fresh air if irritation, headache, drowsiness, or nausea occurs. Seek medical attention if breathing becomes difficult or if any irritation should persist.

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## SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection : This is not required with normal use  
Ventilation Requirement : Local exhaust or air movement is good  
Protective Gloves : None  
Eye Protection : Chemical goggles plus face shield if splashing will occur

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## SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be taken if released or spilled : Adequately ventilate the area. Contain liquid and absorb with commercial absorbent materials. Avoid the release of large quantities into water outfalls or water treatment facilities.  
Waste disposal method : Any unsalvageable material must be disposed in compliance with local, state, and federal laws and regulations. Do not dump into sewers, on the ground, or into any bodies of water.

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## SECTION 10 - STORAGE AND HANDLING

Store in a cool dry area above 60°F. Protect this product from freezing. Keep out of the reach of children

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## SECTION 11 – OTHER INFORMATION

Crystal Clean, Date Issued: April 2012

NFPA RATINGS: HEALTH 1, FLAMMABILITY 0, REACTIVITY 0

This hazard rating system (NFPA) information is solely intended for the use by individuals trained in the particular system.

Federal Hazardous Substances Act statutes and Consumer Product Safety Commission regulations: 16 CFR 1500.14(b)(3) and 1500.83(a)(13).

MSDS Format: ANSI Z400.1-2004

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Note: Product should be used as directed on the label. No warranty is implied expressly or otherwise regarding the accuracy of the information in the product's suitability for the consumer's use and the outcome of its use. The technical accuracy of the information submitted herein is based on the data submitted to TCI by the manufacturers for the materials used in this finished product.

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