

# MATERIAL SAFETY DATA SHEET



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PH: (712) 362-7737

**PRODUCT NAME: CITRUS CLEAN**

**MSDS NO: 52100.03**

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|   |   |  |
|---|---|--|
| FOR CHEMICAL EMERGENCY, SPILL,<br>LEAK, FIRE, EXPOSURE CALL:<br>INFOTRAC 1-800-535-5053<br>Outside U.S. call 001-352-323-3500 | FOR MEDICAL EMERGENCY CALL<br>ROCKY MOUNTAIN POISON CENTER:<br>1-303-623-5716 | HEALTH HAZARD: (0 None > 4 Extreme)<br>Health =2<br>Flammability =1<br>Reactivity =0 |
|---|---|--|

## SECTION 1 – PRODUCT IDENTIFICATION

DATE PREPARED: December 1, 2008

SUPERSEDES: October 30, 2003

PREPARED BY: Dean F. Fernholz

D.O.T. SHIPPING CLASS: Class 55, Non-Hazardous Cleaning Compound.

## SECTION 2 – HAZARDOUS INGREDIENTS

| HAZARDOUS COMPONENTS | CAS. NO.  | OSHA PEL | ACGIH TLV | ORAL LD50 RAT | Per-Cent |
|----------------------|-----------|----------|-----------|---------------|----------|
| d-Limonene           | 5989-27-5 | NE       | NE        | > 4800 mg/kg  | 10-30%   |

## SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: > 212 °F

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: .97

VAPOR PRESSURE mm/hg: 1 @ 20 °C

VAPOR DENSITY (Air=1): 4.69

REACTIVITY IN WATER: None

pH 5% SOLUTION = 6 - 9

MELTING POINT: 32 °F

APPEARANCE AND ODOR: Honey colored liquid, citrus odor

## SECTION 4 – FIRE & EXPLOSION DATA

FLASH POINT: > 121 °F

FLAMMABILITY LIMITS IN AIR % BY VOLUME:

METHOD USED: TCC

LEL LOWER: NA

UEL UPPER: NA

AUTO-IGNITION TEMPERATURE: None

EXTINGUISHER MEDIA: Water, Dry Chemical, Carbon Dioxide, Foam

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE & EXPLOSION HAZARDS: None

## SECTION 5 – PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide or Carbon Monoxide or combustion.

HAZARDOUS POLYMERIZATION: Will NOT occur

CONDITIONS TO AVOID: NA

### SECTION 6 – HEALTH HAZARDS

**ACUTE:** Eye damage, skin irritation

**CHRONIC:** None Known

**SIGNS & SYMPTOMS OF EXPOSURE:** Eye irritation, skin irritation

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None Known

**CARCINOGEN OR POTENTIAL CARCINOGENS:** OSHA: None NTP: None IARC: None ACGIH: None

**EMERGENCY FIRST AID:**

**EYES:** Immediately flush with water for 15 minutes. Get medical attention immediately.

**SKIN:** Wash thoroughly with water. Get medical attention if irritation persists.

**INHALATION:** NA

**INGESTION:** Drink milk or water. Call a physician immediately.

**ROUTES OF ENTRY:**

**INHALATION:** Possible nasal irritation.

**EYES:** Eye irritation or damage

**SKIN:** Skin irritation.

**INGESTION:** Throat and stomach irritation or damage.

### SECTION 7 – SPECIAL PRECAUTIONS & SPILL / LEAK PROCEDURES

**HANDLING & STORAGE:** Store in a cool dry area. DO NOT FREEZE. Keep closed when not in use.

**OTHER PRECAUTIONS:** Normal good housekeeping practices.

**IN CASE OF SPILL:** Shut off leak if this can be done without injury. Flush area with water. Large spills should be diked with Earth; then pump to a salvage tank.

**WASTE DISPOSAL:** Dispose of in accordance with all Federal, State and Local pollution control regulations.

### SECTION 8 – SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** NA

**VENTILATION:** Use with adequate ventilation.

**PROTECTIVE GLOVES:** Rubber or solvent resistant

**EYE PROTECTION:** Safety Glasses, Goggles

**OTHER:** Waterproof suit and boots may be worn

**HYGIENIC PRACTICES:** Wash thoroughly after handling.

### SECTION 9 – COMMUNITY RIGHT TO KNOW LIST

|    | <u>CHEMICAL NAME:</u> | <u>C.A.S. NO.</u> |
|----|-----------------------|-------------------|
| 1. | Water                 | 7732-18-5         |
| 2. | d-Limonene            | 5989-27-5         |

NA = Not Applicable

NE = None Established

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The information herein is furnished without warranty of any kind.