

MATERIAL SAFETY DATA SHEET

Western Environmental Services, Inc.
P.O. Box 9035
Scottsdale, AZ 85252

GENERAL INFORMATION NUMBER: (602) 234-8873

REVISION DATE: September 8, 2003
DATE OF ISSUE: March 24, 2004

I - Product Identification

Citriptime[®] Extreme

PRODUCT CODE: 0432

CHEMICAL FORMULATION: Water based alkaline cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

| SUBSTANCE | APPROX % | OSHA PEL | ACGIH TLV | EPA 40 CFR: | | | CAS # |
|--------------------------------------|-------------|-----------------------|-----------------------|-------------|-----|-----|------------|
| | | | | 302 | 355 | 372 | |
| d-Limonene | 5.00-15.0 | N/E | N/E | Y | N | N | 5989-27-5 |
| 1-Butoxy-2-propanol | 5.00-15.0 | N/E | N/E | N | N | N | 5131-66-8 |
| Sodium Metasilicate | 1.00-3.00 | N/E | N/E | N | N | N | 6834-92-0 |
| Potassium Hydroxide | 1.00-3.00 | 2 mg/m ³ C | 2 mg/m ³ C | Y | N | N | 1310-58-3 |
| Cocodiethanolamide | 1.00-3.00 | N/E | N/E | N | N | N | 67785-11-9 |
| Ethoxylated alkyl amine | 1.00-3.00 | N/E | N/E | N | N | N | 68478-95-5 |
| Ethoxylated alcohols phosphate ester | 1.00-3.00 | N/E | N/E | N | N | N | 68130-47-2 |
| 1-Methoxy-2-propanol | < 2.00 | 100 ppm | 100 ppm | N | N | N | 107-98-2 |

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D

SPECIFIC GRAVITY: 0.997

VAPOR PRESSURE (mm Hg): N/D

VOC CONTENT (% by weight): N/D

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): N/D

SOLUBILITY IN WATER: Soluble

pH: 12.75-13.75

APPEARANCE AND ODOR: Slightly translucent, yellow liquid, detergent odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 124

(TEST METHOD): Closed cup.

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: N/A

LOWER: N/A

EXTINGUISHING MEDIA: Water spray, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters must be equipped with full protective gear including self-contained breathing apparatus. Cool fire-exposed containers with water fog.

UNUSUAL FIRE AND EXPLOSION HAZARD: Product can release vapors that form combustible mixtures at temperatures at or above the flashpoint.

V - Reactivity Data

STABILITY: Stable.

INCOMPATIBILITY: Strong acids and oxidizers.

CONDITIONS TO AVOID: Heat, sparks and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None.

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: Moderate to severe irritation, redness, tearing, possible destruction of tissue.

IF ON SKIN: Moderate to severe irritation with prolonged or repeated contact to concentrate. Contains a possible sensitizer.

IF SWALLOWED: Gastrointestinal irritation, nausea, cramps, diarrhea. May be harmful if swallowed.

IF INHALED: Irritation to respiratory tract.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

IF ON SKIN: Flush area with cool water. Remove contaminated clothing and launder separately before reuse. Obtain medical attention, if irritation persists.

IF SWALLOWED: Call a physician or poison control center immediately. Give person 1 to 2 glasses of water. Do not induce vomiting unless instructed by a physician or poison control center. Never give anything by mouth to an unconscious person.

IF INHALED: Remove person to fresh air. If irritation persists, obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area and remove all sources of ignition. Contain spill. Soak up spilled material with inert absorbent material and place in a properly labeled container for proper disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses or chemical goggles.

OTHER PROTECTIVE EQUIPMENT: Eye wash station.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool dry area, away from acids, heat, sparks or open flame. Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Compounds, cleaning liquid (Potassium Hydroxide)

DOT CLASS: 8

DOT ID NUMBER: NA1760

DOT PACKING GROUP: III

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

REVISED DATE: September 8, 2003

Prepared by: PMR

DATE OF ISSUE: March 24, 2004

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