

# MATERIAL SAFETY DATA SHEET

Total Solutions  
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GENERAL INFORMATION NUMBER: (414) 354-6417  
CHEMTREC: (800) 424-9300

REVISION DATE: April 12, 2007  
DATE OF ISSUE: May 11, 2007

## I - Product Identification

### Citra Crystals

PRODUCT CODE: 0665

CHEMICAL FORMULATION: Citrus based alkaline powdered detergent.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 0 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	
Sodium Metasilicate	10.0-20.0	N/E	N/E	N	N	N	6834-92-0
Alkylbenzene Sulfonic Acid	1.00-5.00	N/E	N/E	N	N	N	27176-87-0
Poly (oxyethylene) nonylphenol	1.00-5.00	N/E	N/E	N	N	N	9016-45-9
Sodium Tripolyphosphate	20.0-30.0	N/E	N/E	N	N	N	7758-29-4
Sodium Carbonate	15.0-25.0	N/E	N/E	N	N	N	497-19-8
Sodium Sulfate	5.00-15.0	N/E	N/E	N	N	N	7757-82-6
Trisodium Phosphate	15.0-25.0	N/E	N/E	N	N	N	7601-54-9
d-Limonene	1.00-5.00	N/E	N/E	Y	N	N	5989-27-5

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/A

SPECIFIC GRAVITY (WATER = 1): N/A

VAPOR PRESSURE (mm Hg): N/A

VOC CONTENT (% by weight): N/A

VAPOR DENSITY (AIR = 1): N/A

EVAPORATION RATE (WATER = 1): N/A

SOLUBILITY IN WATER: Soluble

pH: 12.50 (10% solution)

APPEARANCE AND ODOR: Fine, free-flowing orange powder; citrus fragrance.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/A

(TEST METHOD): Closed cup

FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/D LOWER: N/D

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

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

UNUSUAL FIRE AND EXPLOSION HAZARD: None.

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**V - Reactivity Data**

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**STABILITY:** Stable

**INCOMPATIBILITY:** Strong acids and oxidizers.

**CONDITIONS TO AVOID:** None.

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

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None

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**VI - Health Hazard Data**

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**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:** Irritation, redness, tearing.

**IF ON SKIN:** Irritation, redness, burns with prolonged or repeated exposure.

**IF SWALLOWED:** Gastrointestinal irritation, burns to mucous membranes, nausea, diarrhea.

**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:** Wash area with water for 15 minutes. Remove clothing and launder before reuse. If irritation persists, obtain medical attention.

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

**IF INHALED:** Remove person to fresh air.

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**VII - Spill or Leak Protection**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area and remove all sources of ignition. Sweep up spilled material for reuse or place in a properly marked closed container for proper disposal.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

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**VIII - Special Protection Information**

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**RESPIRATORY PROTECTION:** Use with adequate ventilation. Do not breathe dusts.

**VENTILATION**

**LOCAL:** Recommended

**MECHANICAL:** Not required

**PROTECTIVE GLOVES:** Chemical resistant.

**EYE PROTECTION:** Safety glasses or goggles.

**OTHER PROTECTIVE EQUIPMENT:** Eye wash station.

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

**OTHER PRECAUTIONS:** Keep out of reach of children.

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**IX - Transportation Information (ground transportation only)**

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**DOT ID NUMBER:** None

**DOT PROPER SHIPPING NAME:** None

**DOT CLASS:** None

**DOT PACKING GROUP:** None

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.

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**REVISION DATE:** April 12, 2007

**Prepared by:** Technical Dept.

**DATE OF ISSUE:** May 11, 2007

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