

# MATERIAL SAFETY DATA SHEET

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

GENERAL INFORMATION NUMBER: (602) 234-8873

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## I - Product Identification

### Citripmax® Crush

PRODUCT CODE: 0378

CHEMICAL FORMULATION: Citrus based degreaser.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1

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	
Poly (oxyethylene) nonylphenol	1.00-5.00	N/E	N/E	N	N	N	9016-45-9
Ethoxylated octyl phenol	1.00-10.0	N/E	N/E	N	N	N	9036-19-5
d-Limonene	85.0-95.0	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/E

SPECIFIC GRAVITY (WATER = 1): 0.845

VAPOR PRESSURE (mm Hg): N/D

VOC CONTENT (% by weight): 85.00-90.00

VAPOR DENSITY (AIR = 1): N/E

EVAPORATION RATE (WATER = 1): > 1.0

SOLUBILITY IN WATER: Emulsifies

pH: N/A

APPEARANCE AND ODOR: Clear, water-white liquid; citrus odor.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 122

(TEST METHOD): Closed cup

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: 0.7

LOWER: 6.1

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Use water spray to cool fire-exposed containers. Solvent vapors may cause flashback.

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**V - Reactivity Data**

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**STABILITY:** Stable

**INCOMPATIBILITY:** Strong oxidizing agents.

**CONDITIONS TO AVOID:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield 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:**      **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 and possible tearing.

**IF ON SKIN:** Irritation, chapping and dermatitis, with prolonged or repeated exposure. Contains a possible sensitizer.

**IF SWALLOWED:** Nausea, cramps, diarrhea. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

**IF INHALED:** Irritation of the respiratory tract, coughing and headache.

**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:** Remove contaminated clothing and launder separately before re-use. Wash with soap and water. If irritation persists, obtain medical attention.

**IF SWALLOWED:** Call a physician or poison control center immediately. Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Never give anything by mouth to an unconscious person.

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

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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 extinguish all sources of ignition. Contain spill. Soak up with inert absorbent and place in a properly labeled closed container for 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.

**VENTILATION**

**LOCAL:** Recommended

**MECHANICAL:** Not required

**PROTECTIVE GLOVES:** Chemical resistant.

**EYE PROTECTION:** Chemical goggles or safety glasses.

**OTHER PROTECTIVE EQUIPMENT:** Protective clothing, 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. Do not cut or weld on empty containers as they may contain combustible residue.

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

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**DOT PROPER SHIPPING NAME:** None

**DOT CLASS:** None

**DOT ID NUMBER:** 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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