

MATERIAL SAFETY DATA SHEET

Western Environmental Services, Inc.
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GENERAL INFORMATION NUMBER: (602) 234-8873

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I - Product Identification

Citripmax[®] HF-165

PRODUCT CODE: 0387

CHEMICAL FORMULATION: High flash solvent based cleaner/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.

<u>SUBSTANCE</u>	<u>APPROX</u>	<u>OSHA</u>	<u>ACGIH</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
	<u>%</u>	<u>PEL</u>	<u>TLV</u>	<u>302</u>	<u>355</u>	<u>372</u>	
d-Limonene	10.0-20.0	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/D **SPECIFIC GRAVITY (WATER = 1):** 0.88
VAPOR PRESSURE (mm Hg): N/D **VOC CONTENT (% by weight):** 10.0-20.0
VAPOR DENSITY (AIR = 1): N/D **EVAPORATION RATE (WATER = 1):** >1.0
SOLUBILITY IN WATER: Insoluble **pH:** N/A
APPEARANCE AND ODOR: Clear, colorless liquid; citrus-petroleum distillate odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 165 **(TEST METHOD):** Closed cup
FLAMMABLE LIMITS IN AIR (VOLUME %) **UPPER:** N/D **LOWER:** N/D
EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with full protective gear including self-contained breathing apparatus. Use water spray to cool fire-exposed containers.
UNUSUAL FIRE AND EXPLOSION HAZARD: Protect from source of ignition. Solvent vapors may cause flashback.

V - Reactivity Data

STABILITY: Stable**INCOMPATIBILITY:** Strong oxidizing agents.**CONDITIONS TO AVOID:** Heat or 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 and tearing.**IF ON SKIN:** Irritation, chapping, dermatitis with prolonged or repeated exposure. Contains a possible sensitizer.**IF SWALLOWED:** Gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration may be a hazard.**IF INHALED:** Respiratory tract irritation, dizziness, weakness, headache, nausea, and unconsciousness.**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 SWALLOWED:** Contact physician or poison control center immediately. Do not induce vomiting.**IF INHALED:** Remove person to fresh air. Administer artificial respiration if person has stopped breathing. Obtain medical assistance.

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 marked closed container for proper disposal.**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Not required**PROTECTIVE GLOVES:** Chemical resistant.**EYE PROTECTION:** Safety glasses and/or face shield.**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.

Wash thoroughly after handling. Keep container tightly closed when not in use. Bound and ground during liquid transfer

OTHER PRECAUTIONS: Keep out of reach of children. Do not cut or weld on empty container as it may contain combustible residues.

IX - Transportation Information (ground transportation only)

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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