

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name:	D-Limonext	Date Prepared	Feb. 13,2013
Product Number(s):	I - 170	Replaces	March 23,2011
Product Use:	Bio Engineered Degreaser		
Company Name:	Encore Industrial Products, LLC P.O. Box 941119 Houston, TX 77094-1119		
Telephone Numbers:	(281) 944-4777, (877) 703-3044, Fax (281) 944-4778		
Emergencies:	I (877) 703-3044 Ex. 405 (24 hours, everyday)		

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200):

<u>Chemical Name</u>	<u>CAS Registry No.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>	<u>% (Optional)</u>
d-Limonene	5989-27-5	NE	NE	4400 mg/kg (RAT/ORAL)	80-100

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Causes eye and skin irritation.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: May cause irritation

SKIN CONTACT: May cause mild irritation. Prolonged or repeated contact may dry or defat skin leading to inflammation.

INHALATION: Breathing vapors may irritate nose, throat and lungs.

INGESTION: Possible aspiration hazard; may cause inflammation of the lungs.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eyes and skin irritation.

CARCINOGENICITY: NTP? Not determined IARC Monographs? Not determined OSHA Regulated? Not determined.

SECTION 4 FIRST-AID MEASURES

EYE CONTACT: Immediately flush with large quantities of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Seek medical attention.

SKIN CONTACT: Wash with soap and plenty of water. If symptoms develop, seek medical attention.

INHALATION: Remove person to fresh air. If irritation persists, give oxygen, get medical attention.

INGESTION: Do not induce vomiting! Seek medical attention immediately. If vomiting occurs, have victim lean forward to reduce risk of aspiration. Note: Never give anything by mouth to an unconscious or convulsing victim. Keep person warm and quiet.

SECTION 5 FIRE-FIGHTING MEASURES

FLASHPOINT: 115 – 125 °F

FLASHPOINT (Propellant): N/A

FLAMMABLE LIMITS: LEL: 0.7 UEL: 16.1

AUTOIGNITION TEMP: Not determined

FIRE EXTINGUISHING MEDIA: Dry chemical; Foam; Carbon dioxide (Do not use water except as a mist or foam, as it may spread the burning.)

SPECIAL INFORMATION: Wear self-contained breathing apparatus with full protective clothing. Containers should be cooled with water to prevent vapor pressure build up.

Unusual Fire and Explosion Hazards: Rags soaked with this product may spontaneously ignite; to avoid the danger, used rags should be soaked with water and/or stored in a container full of soapy water. In a fire, closed containers of the product may burst or rupture due to pressure build-up, greatly increasing the fire hazard.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Small spills: Soak up with an inert absorbent and place in designated disposal container. Rinse area thoroughly.

Large spills: Remove sources of ignition and ventilate area. Soak up with an inert absorbent and place in designated disposal container. Rinse area thoroughly.



SECTION 7 STORAGE AND HANDLING

HANDLING: Do not take internally.

STORAGE: Do not store at temperatures extremes. Keep containers tightly closed when not in use. Store in a cool, dry, well-ventilated area away from sources of ignition. Do not take internally.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS: Mechanical ventilation recommended when handling in enclosed/tight spaces.

PERSONAL PROTECTION:

EYES: Safety glasses or chemical splash goggles.

HANDS: Chemical resistant gloves are recommended.

RESPIRATORY: None required if good ventilation is maintained.

FEET: No special requirements.

BODY: Long sleeves and long pants.

Work/Hygienic Practices: Do not smoke while using. Wash hands after use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, thin orange liquid with a citrus odor.

VAPOR PRESSURE: 1 mmHg

VAPOR DENSITY: 4.7

SOLUBILITY IN WATER: Dispersible, forms emulsion.

BOILING POINT: >347°F

FREEZING / MELTING POINT: ND

EVAPORATION RATE: <1

VOC: 100% pH: ND Specific Gravity: 0.84

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: High Temperatures.

INCOMPATIBILITY (Materials to Avoid): Oxidizing agents such as bleach; Strong acids.

HAZARDOUS POLYMERIZATION: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: When strongly heated, as in a fire, this product may produce oxides of carbon.

SECTION 11 TOXICOLOGICAL INFORMATION

None.

SECTION 12 ECOLOGICAL INFORMATION

No information available.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose as hazardous waste in accordance with EPA RCRA.

SECTION 14 TRANSPORT INFORMATION

U.S. Department of Transportation:

Not regulated.

SECTION 15 REGULATORY INFORMATION

TSCA: All components of this product are listed on the TSCA inventory.

CERCLA: No reportable ingredients

SARA TITLE III:

Section 311/312 Hazard Category: Acute: No Chronic: No Fire: No Pressure: No Reactive Hazard: No

Section 313 Reportable Ingredients: None

SECTION 16 OTHER INFORMATION

NFPA RATING: Health – 1, Flammability – 2, Reactivity – 0, PPE - B

HMIS® RATING: Health – 1, Flammability – 2, Reactivity – 0, PPE - B

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