

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

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# U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 12-18-0072

IDENTITY (As Used on Label and List)

D-Limonene Degreaser & Asphalt Remover

*Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.*

## Section I

Manufacturer's Name:

Kansas Correctional Industries

Emergency Telephone Number:

CHEMTREX 800-424-9300

Address (Number, Street, City, State and Zip Code):

Kansas Department of Corrections

Telephone Number for Information:

(913) 727-3249

P.O. Box 2

Date Prepared:

May 28, 1998

Lansing, KS 66043

Signature of Preparer (optional):

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names)

OSHA PEL

ACGIH TLV

Other  
Exposure Limits

Optional

Technical Grade D-Limonene

N.E.

N.E.

N.E.

Nonylphenol Ethoxylate

N.E.

N.E.

N.E.

(N.E. = Not Established)

## Section III - Physical/Chemical Characteristics

Boiling Point:

113°F - 119°F

Specific Gravity (H<sub>2</sub>O = 1):

0.843

Vapor Pressure (mm Hg.):

2

Melting Point:

N/A

Vapor Density (AIR = 1):

N/A

Evaporation Rate (Butyl Acetate = 1):

N/A

Solubility in Water:

Complete

Appearance and Odor:

Purple liquid, pronounced orange citrus fragrance.

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used):

239°F

Flammable Limits

N/A

LEL

N/A

UEL

N/A

**Extinguishing Media:** H<sub>2</sub>O, Carbon Dioxide, Dry Chemical or Polymer Foam

**Special Fire Fighting Procedures:** Fire fighters should wear self contained breathing apparatus.

**Unusual Fire and Explosion Hazards:** Do not use in confined areas where air and vapor mixtures may become explosive. Burning can produce carbon monoxide, carbon dioxide and acrid decomposition products which may be toxic and asphyxiating, if inhaled.

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**Section V – Reactivity Data**

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Stability:                    Unstable                        Conditions to Avoid:  
   Stable                            N/A

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Incompatibility (Materials to Avoid): Normally unreactive; however, avoid strong bases at high temperatures, strong acids, strong oxidizing agents and materials with strong hydroxyl compounds.

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Hazardous Decomposition or Byproducts: N/A

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Hazardous                    May Occur                                        Conditions to Avoid:  
Polymerization:            Will Not Occur                                  N/A

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**Section VI – Health Hazard Data**

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Route(s) of Entry:            Inhalation? Yes                    Skin? Yes                    Ingestion? Possible

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**Health Hazards (Acute and Chronic):** EYES: Severe irritation. SKIN: Prolonged or widespread contact may result in the absorption of harmful amounts of material. INGESTION: May cause abdominal discomfort, nausea, vomiting and diarrhea. Aspiration into the lungs may occur during ingestion and vomiting resulting in lung injury. INHALATION: May cause irritation to the mucous membranes and respiratory tract causing chest pain and cough.

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Carcinogenicity:            NTP? No                    IARC Monographs? No                    OSHA Regulated? No

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**Signs and Symptoms of Exposure:** Eye irritant and skin sensitizer.

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**Medical Conditions Generally Aggravated by Exposure:** N/A

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**Emergency and First Aid Procedures:** EYE CONTACT: Immediately flush with plenty of water and continue flushing for ten minutes. SKIN CONTACT: Wash the effected area with water. Obtain medical attention if irritation persists. Wash contaminated clothing before reuse. INGESTION: Call a physician immediately. Do not induce vomiting. Wash out mouth with water immediately. Do not leave victim unattended. Never give anything by mouth if victim is unconscious or convulsing. INHALATION: Remove victim to fresh air. If irritation persists, or if symptoms of overexposure develop, get medical attention.

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**SECTION VII – Precautions for Safe Handling and Use**

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**Steps to be Taken in Case Material is Released or Spilled:** Wear recommended protection. Any material not suitable for reuse should be held for authorized disposal. Ventilate.

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**Waste Disposal Method:** Burn waste product in an approved incinerator. Rinse containers thoroughly before disposing. Do not reuse containers.

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**Precautions to be Taken in Handling and Storage:** Store in original containers, away from heat and flame, and in a cool, dry place away from foods. Avoid repeated and prolonged contact with the skin. Dispense with adequate ventilation.

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**Other Precautions:** Usual precautions for combustible liquids; tightly sealed full containers at temperature below 70°F.

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**Section VIII – Control Measures**

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Respiratory Protection (Specify Type): N/A

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Ventilation:                    Local Exhaust N/A                    Mechanical (General) N/A                    Special N/A                    Other N/A

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Protective Gloves: Impervious Gloves                    Eye Protection: Goggles

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Other Protective Clothing or Equipment: Overalls and Footwear

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Work/Hygienic Practices: N/A

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