

# 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

4-4A

# 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)

4-4A Citrus Pro Handcleaner

*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:

September 26, 2006

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

D-Limonene

N.E.

N.E.

N.E.

White Oil No. 8-T

N.E.

N.E.

N.E.

Rhoaterge WHC-347

N.E.

N.E.

N.E.

(N.E. = Not Established)

## Section III – Physical/Chemical Characteristics

Boiling Point:

300°F

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

N/A

Vapor Pressure (mm Hg.):

N/A

Melting Point:

N/A

Vapor Density (AIR = 1):

N/A

Evaporation Rate (Butyl Acetate = 1):

N/A

Solubility in Water:

Soluble

Appearance and Odor:

Viscous liquid with citrus odor

## Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used):

>120°F (TCC)

Flammable Limits

N/A

LEL

1%

UEL

7%

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

**Special Fire Fighting Procedures:** Firefighters must wear self-contained breathing apparatus with full facepiece operated in pressure demand or positive pressure mode. Avoid allowing run-off from fire control to contaminate public waterways.

**Unusual Fire and Explosion Hazards:** Vapors may accumulate and travel to ignition sources distant from handling site. Keep away from high heat, sparks and open flame.

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**Section V – Reactivity Data**

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Stability: Unstable  Conditions to Avoid:  
Stable  High heat and contact with strong oxidizing agents.

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Incompatibility (Materials to Avoid): Avoid contact with acids and oxidizing agents.

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Hazardous Decomposition or Byproducts: Potentially caustic soda and carbon monoxide.

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Hazardous Polymerization: May Occur  Conditions to Avoid:  
Will Not Occur  Contact with strong acids.

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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: Can cause irritation. SKIN: Prolonged contact can cause irritation, defatting and dermatitis. INGESTION: Possible gastrointestinal disturbances if large amounts are injected. INHALATION: High vapor concentrations can result in headache, nausea, dizziness and irritation of the respiratory tract, chronic effects include CNS depression and allergic response.

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Carcinogenicity: NTP? Not listed IARC Monographs? No OSHA Regulated? No

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**Signs and Symptoms of Exposure:** EYES: Redness and watering of eyes. SKIN: Redness and irritation; possibly contact dermatitis. INGESTION: Possibly nausea, cramps, vomiting; other stomach and intestinal disturbances. INHALATION: Possibly headache, nausea, respiratory irritations.

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**Medical Conditions Generally Aggravated by Exposure:** EYES: Conjunctivitis and prior irritation. SKIN: Dermatitis and some burns. INGESTION: Any gastrointestinal disorder including, but not limited to, ulcers and sore throat from colds or influenza infections. INHALATION: Prior irritation.

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**Emergency and First Aid Procedures:** EYE CONTACT: Remove contact lenses, if worn; rinse eyes with water holding eyelid open. SKIN CONTACT: Rinse skin with water. INGESTION: Drink a large glass of water or milk, if any symptoms persist or exposure was severe CONTACT A PHYSICIAN IMMEDIATELY. INHALATION: Remove to fresh air.

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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:** CAUTION! COMBUSTIBLE! Contain spills such that material does not enter public waterways through storm sewers or landfill runoff. Remove sources of ignition.

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**Waste Disposal Method:** Diluted rinse water should be handled by a licensed treatment facility. Solid waste is preferably incinerated.

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**Precautions to be Taken in Handling and Storage:** As packages, no special precautions are necessary for ordinary handling and storage.

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**Other Precautions:** Spills into or leading to waterways that cause a sheen must be reported to the National Response Center 800-424-8802.

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**Section VIII – Control Measures**

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Respiratory Protection (Specify Type): None normally needed.

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

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Protective Gloves: Not required. Eye Protection: Not required.

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Other Protective Clothing or Equipment: None required.

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Work/Hygienic Practices: Rinse thoroughly.

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