SECTION 1. PRODUCT IDENTIFICATION

1.1 TRADE NAME (AS LABELED): Orange Grove Concentrated Citrus Cleaner
SYNONYMS: N/A
CAS#: Mixture
1.2 PRODUCT USE: Cleaning agent
CHEMICAL SHIPPING NAME/CLASS: Combustible liquid, N.O.S / Class 3 - Combustible
U.N. NUMBER: UN1993
1.3 NORTH AMERICA: Corcraft – New York State Department of Corrections and Community Supervision
MANUFACTURER’S NAME:
ADDRESS: Great Meadow Correctional Facility, Division of Industries
550 Broadway Albany, NY 12204
BUSINESS PHONE: 518-436-6321 EXT 2620
WEB SITE INFORMATION: www.corcraft.org
1.4 EMERGENCY PHONE NUMBERS: 800-467-4922 (CHEMTREC) THE CHEMTREC NUMBER IS TO BE CALLED ONLY IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT INVOLVING CHEMICALS.
DATE OF CURRENT REVISION: March 16, 2015
DATE OF LAST REVISION: November 21, 2014

SECTION 2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is an orange liquid with a citrus odor.
Health Hazards: May cause irritation of the skin, eye, or respiratory system. Contact with skin may cause an allergic reaction.
Flammability Hazards: This product is a flammable liquid with a flash point of 125°F.
Reactivity Hazards: None known.
Environmental Hazards: The Environmental effects of this product have not been investigated, however release may cause adverse environmental effects.

GHS Hazard Symbol(s) US DOT SYMBOL(S)
Not Applicable (Non-bulk Packaging)

Signal Word: Warning!

2.1 GHS LABELING AND HAZARD CLASSIFICATION:
This product does meet the definition of a hazardous substance or preparation as defined by Health Canada and the OSHA (as described in 29 CFR 1910.1200(d))
Component(s) Contributing to Classification(s)
Non-phenolic Emulsifier, D-Limonene

2.2 LABEL ELEMENTS
GHS Hazard Classification(s):
Flammable Liquid, Category 3
Skin Irritation, Category 2
Skin Sensitization, Category 1
STOT (Respiratory Irritation), Category 3
Acute aquatic toxicity, Category 2

Hazard Statement(s):
H226 Flammable liquid and vapour
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H335 May cause respiratory irritation
H401 Toxic to aquatic life

Storage Statement(s):
P403+P235 Store in a well-ventilated place. Keep cool
P405 Store locked up

Disposal Statement(s):
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
SAFETY DATA SHEET
Orange Grove Concentrated Citrus Cleaner

Precautionary Statement(s):
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking
P233 Keep container tightly closed
P241 Use explosion-proof electrical/ventilating/lighting equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P280 Wear protective gloves/eye protection/face protection
P264 Wash thoroughly after handling
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P272 Contaminated work clothing should not be allowed out of the workplace
P271 Use only outdoors or in a well-ventilated area
P273 Avoid release to the environment

Response Statement(s):
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention
P362+P364 Take off contaminated clothing and wash it before reuse

2.3 HEALTH HAZARDS OR RISKS FROM EXPOSURE:
SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: The most significant routes of overexposure for this product are by contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

ACUTE:
INHALATION: Mist or spray may cause coughing, headache, throat and respiratory irritation.
CONTACT WITH SKIN: Contact with skin may cause irritation or allergic reaction.
EYE CONTACT: Contact with eyes may cause irritation.
INGESTION: May cause gastrointestinal irritation, vomiting, or headache.
CHRONIC: Prolonged exposure to skin may cause dryness and cracking.
TARGET ORGANS: Acute: Skin, Eyes, Respiratory System
Chronic: Skin

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>COMPOSITION</th>
<th>WT. PERCENTAGE</th>
<th>CAS#</th>
<th>HAZARD CLASSIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>70 – 85%</td>
<td>7732-18-5</td>
<td>None</td>
</tr>
<tr>
<td>Non-phenolic Emulsifier</td>
<td>6 – 12%</td>
<td>Trade Secret</td>
<td>[Xi] Irritant</td>
</tr>
<tr>
<td>D-Limonene</td>
<td>4 - 10%</td>
<td>5989-27-5</td>
<td>[Xi] Irritant</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>[N] Dangerous for the Environment</td>
</tr>
</tbody>
</table>

Balance of other ingredients are non-hazardous or less than 1% in concentration (< 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format.

4. FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:
EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Remove contacts if present and easy to do. Seek medical attention if irritation persists.
SKIN CONTACT: Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.
INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.
INGESTION: If this product is swallowed, call physician or poison control center for treatment advice. Do not induce vomiting unless told to do so by a poison control center or physician. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. If transporting take a copy of the label and/or SDS with the victim to the health professional.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin problems may be aggravated by prolonged contact.
4.2 SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:
Contact with skin, eyes, or the respiratory tract may cause irritation. Prolonged skin exposure may cause drying and cracking.

4.3 RECOMMENDATIONS TO PHYSICIANS:
Treat symptoms and eliminate overexposure.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 FIRE EXTINGUISHING MATERIALS:
Use fire extinguishing methods below:
Water Spray: No  Carbon Dioxide: Yes
Foam: Yes  Dry Chemical: Yes
Halon: Yes  Other: Any “C” Class

5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known
Explosion Sensitivity to Mechanical Impact: No
Explosion Sensitivity to Static Discharge: No
FLASH POINT: 125°F
AUTOIGNITION TEMPERATURE: Not determined
FLAMMABLE LIMITS (in air by volume, %): Lower NA Upper NA

5.3 SPECIAL FIRE-FIGHTING PROCEDURES:
Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Health</th>
<th>Reactivity</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

HMIS RATING SYSTEM

| HEALTH HAZARD (BLUE) | 1         |
| FLAMMABILITY HAZARD (RED) | 2         |
| PHYSICAL HAZARD (YELLOW) | 0         |

PROTECTIVE EQUIPMENT

<table>
<thead>
<tr>
<th>EYES</th>
<th>RESPIRATORY</th>
<th>HANDS</th>
<th>BODY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>See Sect 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>See Sect 8</td>
</tr>
</tbody>
</table>

For Routine Industrial Use and Handling Applications

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
See Section 8.2 for Exposure Controls

6.2 ENVIRONMENTAL PRECAUTIONS:
Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils

6.3 SPILL AND LEAK RESPONSE:
Stop the flow of material, if this can be done safety. Contain discharged material. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Place in a proper container for disposal. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces. (see Section 13, Disposal Considerations).
**SECTION 7. HANDLING and STORAGE**

**7.1 PRECAUTIONS FOR SAFE HANDLING:**
As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Use good hygiene practices. When handling, do not eat, drink, or smoke. Handle in a well-ventilated work area.

**7.2 STORAGE AND HANDLING PRACTICES:**
Store in original container and locked up. Keep in a well-ventilated area in closed containers. Protect containers from physical damage.

**7.3 SPECIFIC USES:**
Cleaning agent

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**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 EXPOSURE PARAMETERS:**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>ACGIH TLV</th>
<th>OSHA TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Non-phenolic Emulsifier</td>
<td>Trade Secret</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>D-Limonene</td>
<td>5989-27-5</td>
<td>20 ppm</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

**8.2 EXPOSURE CONTROLS:**

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada.

**RESPIRATORY PROTECTION:** Not required for properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93.

**EYE PROTECTION:** Safety glasses or goggles are required. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Standards of Canada.

**HAND PROTECTION:** Chemical resistant gloves are required to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

**BODY PROTECTION:** Use body protect appropriate to task being performed. If necessary, refer to appropriate Standards of Canada and U.S. OSHA 29 CFR 1910.138. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee’s feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

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**SECTION 9. PHYSICAL and CHEMICAL PROPERTIES**

**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:**

**APPEARANCE (Physical State) and COLOR:** Orange liquid

**ODOR:** Citrus

**ODOR THRESHOLD:** Not Applicable

**pH:** 10

**MELTING/FREEZING POINT:** Not Available

**BOILING POINT:** Not Available

**FLASH POINT:** Not Available

**EVAPORATION RATE (n-BuAc=1):** Not Available

**FLAMMABILITY (SOLID, GAS):** Not Applicable

**UPPER/LOWER FLAMMABILITY OR EXLOSION LIMITS:** Not Available

**VAPOR PRESSURE (mm Hg @ 20°C (68°F):** Not Available

**VAPOR DENSITY:** Not Available

**RELATIVE DENSITY:** Not Available

**SPECIFIC GRAVITY:** 1.02

**SOLUBILITY IN WATER:** Soluble

**WEIGHT PER GALLON:** Not Available
PARTITION COEFFICIENT (n-octanol/water): Not Available
AUTO-IGNITION TEMPERATURE: Not Applicable
DECOMPOSITION TEMPERATURE: Not Available
VISCOSITY: Not Available

9.2 OTHER INFORMATION:
No additional information available

SECTION 10. STABILITY and REACTIVITY

10.1 REACTIVITY:
None known.

10.2 STABILITY:
Stable under conditions of normal storage and use.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:
Will not occur.

10.4 CONDITIONS TO AVOID:
Contact with incompatible materials.

10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:
Strong acids, oxidizing agents, metals.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:
No data available.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

<table>
<thead>
<tr>
<th>TOXICITY DATA:</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>5989-27-5</td>
<td>LC50 Inhalation 4,400 ppm/5 min Rat</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD50 Dermal &gt;5,000 mg/kg Rabbit</td>
<td></td>
</tr>
</tbody>
</table>

SUSPECTED CANCER AGENT: Ingredients within this product, that are greater than the applicable cut-off values, are not found on the following lists: FEDERAL OSHA LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

IRRITANCY OF PRODUCT: This product may be irritating to skin, eyes or respiratory system.

SENSITIZATION TO THE PRODUCT: This product may be a skin sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: No data available.

SECTION 12. ECOLOGICAL INFORMATION

12.1 TOXICITY:

<table>
<thead>
<tr>
<th>TOXICITY DATA:</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>5989-27-5</td>
<td>LC50 0.72 mg/l - 96 h Pimephales promelas (fathead minnow)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC50 0.36 mg/l - 48 h Daphnia magna (Water flea)</td>
<td></td>
</tr>
</tbody>
</table>

12.2 PERSISTENCE AND DEGRADABILITY:
No specific data available on this product.

12.3 BIOACCUMULATIVE POTENTIAL:
No specific data available on this product.

12.4 MOBILITY IN SOIL:
No specific data available on this product.

12.5 OTHER ADVERSE EFFECTS:
This product is not expected to be harmful to plants, animals or aquatic life.
ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:
Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, and those of Canada.
US DOT:
U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

14.1 UN IDENTIFICATION NUMBER: UN1993
14.2 PROPER SHIPPING NAME: Combustible Liquid, n.o.s. (Contains D-Limonene)
14.3 HAZARD CLASS NUMBER and DESCRIPTION: Class 3 - Combustible
14.4 PACKING GROUP: III
14.5 ENVIRONMENTAL HAZARDS: (RQ QUANTITY): None
14.6 SPECIAL PRECAUTION FOR USER: None

SECTION 15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE SUBSTANCE OR MIXTURE:
UNITED STATES REGULATIONS:
U.S. SARA REPORTING REQUIREMENTS: The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.
U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.
SARA 311/312: Acute Health: Yes; Chronic Health: No; Fire: Yes; Reactivity: No
U.S. CERCLA REPORTABLE QUANTITY (RQ): None.
U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory or are exempted from listing.
OTHER U.S. FEDERAL REGULATIONS: None known.

SECTION 16. OTHER INFORMATION

ABBREVIATIONS AND ACRONYMS:
EPA: United States Environmental Protection Agency
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)

PREPARED BY: Chris Eigbrett – (MSDS to GHS Compliance)
DATE OF PRINTING: March 16, 2015

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. Corcraft assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Corcraft assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

END OF SDS SHEET