Material Safety Data Sheet

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name/Trade Name: Orange Glo Super Concentrate • US

Manufacturer: Northern Labs

Supplier: Orange Glo International

P.O. Box 3596
Littleton, CO 80110 USA

Emergency Phone: 303-740-1009

ChemTec: 800-424-9300

Information Phone: 303-740-1009

MSDS preparation date: 13 September 2001

By: L. Brown

MSDS Revision date: 13 September 2001

MSDS Reviewed: 13 September 2001

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

General Description: Concentrated citrus blend for cleaning and degreasing hard surfaces

Hazardous Ingredients:

- PEG-40-S: 20%
- 22727-41-7: 5-10%

Section 3: HAZARDS IDENTIFICATION

General: Flammable product, may cause skin and eye irritation

Emergency: If swallowed seek medical attention immediately

Primary Route(s) of Entry: Inhalation, ingestion, skin contact, eye contact

Effects of Overexposure: Respiratory irritation, throat irritation

Inhalation: Nausea

Effects of Overexposure-Eyes: Irritation

Effects of Overexposure-Skin: Contact may dry the skin

Effects of Overexposure-Chronic: Citrus oils may be moderate irritants to the skin, eyes, throat and respiratory passages

Section 4: FIRST AID MEASURES

- Skin: Immediately wash with soap and water, rinse thoroughly
- Eye(s): Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention if irritation persists
- Ingestion: Rinse out mouth. Do not induce vomiting. Seek medical assistance.
- Inhalation: Remove to fresh air
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Section 5: FIRE FIGHTING MEASURES

Flashpoint and method used: 109 deg F/43 deg C
Auto-ignition temperature: 236 deg C
Extinguishing media: CO2, foam, water
Special fire-fighting equipment: Closed containers exposed to heat, but not burning could be suitably cooled water
Unusual fire and explosion hazards: Can form explosive vapor-air mixtures. CD and C02. Burns with intense heat
Explosion data: ND

Section 6: ACCIDENTAL RELEASE MEASURES

Personal protective equipment: --
Material release or spill: Remove all ignition sources. Avoid skin and eye contact. Clean immediately to avoid slip hazard
Other: --

Section 7: HANDLING AND STORAGE

Storage: Keep tightly sealed in original container. Do not store above 120 deg F
Precautions during handling and storage: Prevent formation of aerosols. Avoid skin and eye contact. Keep away from ignition sources.

Section 6: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: None established
Engineering controls: In restricted areas use approved chemical/mechanical filters designed to remove a combination of particulates and vapor. In confined areas, use approved air line type respirator or hood.
Eye protection: None under normal use. Use of safety glasses with splash guards or full face shield is recommended
Protective clothing: None under normal use. Solvent resistant aprons and gloves required for prolonged or repeated contact.
Respiratory protection: None under normal use. Avoid breathing vapors. In restricted areas use approved chemical/mechanical filters designed to remove a combination of particulates and vapor. In confined areas, use approved air line type respirator or hood.
Other PPE: --
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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous dark orange liquid
Odor: Orange
Physical state: Liquid

Boiling point: 100 deg C/212 deg F
Vapor Pressure: ND
Solubility in water: Complete
pH: 5.7-6.2
Melting point: NA
% volatile by volume: ND
Partition coefficient: ND
Coefficient of water/oil distribution: ND
Vapor density: ND
Evaporation rate: ND
Viscosity: 31.5 cSt @ 40 deg C
Specific Gravity: 0.97
Cloud point: ND
Freezing point: ND

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal use conditions - avoid heat
Incompatibility: Strong acids, oxidizing agents
Conditions to avoid: Avoid flames or excessive heat
Hazardous decomposition: When heated to decomposition, d-limonene emits fumes, CO and CO2
Hazardous polymerization: None

Section 11: TOXICOLOGICAL PROPERTIES

Acute oral toxicity: No toxic chemical(s) subject to the reporting requirements of section 513 of Title III and of 40 CFR 372 are present
Carcinogenicity: This product is not considered a carcinogen by OSHA, NTP or IARC
Reproductive toxicity: ND
Toxicopharmacology: ND
Mutagenicity: ND
Toxicologically synergistic products: ND

Section 12: ECOLOGICAL INFORMATION

Persistence and degradation: ND
Toxicity: ND
Other: ND

Section 13: DISPOSAL CONSIDERATIONS

Disposal method: Dispose of in accordance with local, state, and federal regulations. Before attempting clean up, refer to other sections of this MSDS for hazard and caution information
Container disposal: Dispose of in accordance with local, state, and federal regulations. Before attempting clean up, refer to other sections of this MSDS for hazard and caution information

Section 14: TRANSPORT INFORMATION

DOT proper shipping name: Flammable liquid, non (orange oil)
DOT technical name: Flammable liquid, non (orange oil)

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<table>
<thead>
<tr>
<th>DOT Hazmat class:</th>
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<th>Hazard subclass:</th>
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<tr>
<td>UN Number, proper shipping name:</td>
<td>1993, Flammable liquid, nor (orange oil)</td>
<td>Packing group:</td>
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## Section 15: REGULATORY INFORMATION

| TSCLA: | All components are listed on the TSCLIA inventory |
| WHMIS Classification: | ND |
| CERCLA and SARA: | ND |

## Section 16: OTHER INFORMATION

| % Volatile Organic Compounds (VOCs) | 30% |

<table>
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<tr>
<th>Legend:</th>
<th>N.D. Not Determined</th>
<th>N.E. Not Established</th>
<th>N.A. Not Applicable</th>
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</thead>
</table>

The information provided has been adapted from the manufacturer supplied MSDS. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from use of MSDS information.
Always follow label instructions and warnings. Typical use of product is a guideline only.

| Typical Use of Product | Diluted with water to clean hard surfaces of dirt, grime and grease. Not recommended on soft plastics. |

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