



MATERIAL SAFETY DATA SHEET



Citrus Cleaner Degreaser Concentrate

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Section 1

Product & Company Identifications

Product Name: Citrus Cleaner Degreaser Concentrate

Product Use: For heavy-duty cleaning and degreasing.

Manufacturer: ORANGE-SOL Blending & Packaging, Inc.

1400 N. Fiesta Blvd., Bldg. 100

Gilbert, AZ 85233-1023

For Information & Emergencies: (480) 497-8822 (7 am-5pm, Mon-Fri MST) www.orange-sol.com

Preparation Date: 8 Jun 2001

Revision Date: 12 Nov 2014

MSDS #: 50165-067

Section 2

Information on Ingredients

Product Mixture: This product contains Potassium hydroxide (50%), CAS Number 1310-58-3, regulated TWA limit of 2 mg/M³ (ceiling). No other hazardous ingredients as per OSHA, 29CFR 1910.1200.

Components: This section is proprietary.

Section 3

Hazardous Identification

Emergency Overview: Avoid prolonged contact of skin, eyes and mucous membranes which will cause burns.

Primary Routes of Contact: Ingestion, inhalation, and absorption.

Physical Hazard: Corrosive mixture.

Health Hazard

Eye: Will cause burns in the eye, which may result in permanent damage.

Skin: Avoid extensive skin contact, which will cause severe irritation and damage depending on the time of contact, which may result in the need for skin grafts.

Ingestion: Can result in significant digestive disturbance including severe intestinal irritation and burns of the mucous membranes of the mouth, throat and esophagus.

Vapor Inhalation: Vapor not a problem. However, airborne mist and spray should be avoided because they can cause intense irritation to the respiratory tract and/or chemical pneumonia depending on the severity of exposure.

Carcinogenicity Listings: NTP: None. IARC: None.
OSHA: None. ACGIH: None.

Signs and Symptoms of Overexposure: Irritation, redness, burns--the degree and extent depending on the time of contact allowed. No sensation may occur until after damage has occurred.

Medical Conditions Aggravated by Exposure: Dermatitis may be aggravated by contact.

Section 4 First Aid Procedures

Eye: Immediately remove contact lenses, flush with water for at least 15 minutes while lifting eyelids. If irritation develops and persists, contact a physician.

Skin: Immediately remove effected clothing and wash skin thoroughly with soap and water. If irritation develops and persists, contact a physician.

Ingestion: Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. If vomiting occurs spontaneously, keep airway clear. Get medical attention immediately.

Inhalation: Move to fresh air. If irritation develops and persists, contact a physician.

Section 5 Fire & Explosion Hazard

Flash Point and Method: None.

Flammability: Non Flammable.

Explosion Data: Sensitivity to impact: None. Sensitivity to static charge: None.

Combustion Products: As with any organic material, combustion will produce carbon dioxide an/or carbon monoxide.

Extinguishing Media: Water fog, carbon dioxide, dry chemical, foam.

Unusual Fire and Explosion Hazard: None.

Special Firefighting Precautions: Do not use streams of water; may spread burning liquid.

Firefighting Equipment: Use self-contained breathing apparatus in any enclosed area.

Section 6 Accidental Release Measures

Small Spills: Absorb with suitable material. Dispose in an appropriate waste container.

Large Spills: Dike with soil, and or other suitable materials avoiding the use of sawdust. Recover usable product, rinse area clean.

Personal Precautions: No special requirements.

Environmental Precautions: No special requirements known.

Section 7

Handling & Storage

Safe Handling and Hygienic Practices: Avoid prolonged skin contact. Wash immediately after using.

Storage Requirements: Store in tightly closed, original container away from flame or other ignition source.

Section 8

Exposure Controls

Engineering Controls: No special requirements.

Personal Protection

Ventilation: No Special requirements.

Respiratory: Avoid breathing mist.

Eye Protection: Eye protection based on splash potential.

Clothing: Gloves recommended for sensitive individuals.

Exposure Limit Guidelines: None established.

Section 9

Physical & Chemical Properties

Appearance and Odor: Clear straw color with a citrus odor.

Specific Gravity: 1.03, 8.62 lbs/US gallon.

Vapor Density: (Air=1), >1. (Estimated)

Vapor Pressure: Not determined.

Evaporation Rate: (BuAc=1) <1.

pH of Concentrate: 13 - 14

Solubility in Water: 100%.

Percent Volatile by Volume: 86%.

Section 10

Stability & Reactivity

Stability: Stable.

Conditions to Avoid: Avoid material that react strongly with water, oxidizing agents and acids.

Hazardous Decomposition: None expected under normal conditions.

Hazardous Polymerization: Should not occur.

Section 12

Ecological Information

Biodegradability: Biodegradable.

Other: Liquid is not expected to have acute toxicity to aquatic organisms.

Section 13

Disposal Considerations

Biodegradability: Biodegradable.

RCRA Classification: This product has been evaluated for RCRA characteristics and does not meet the criteria for a hazardous waste, if discarded in its purchased form.

Special Instructions: No special requirements.

Section 14
Transportation Information

Proper Shipping Name: Corrosive liquid, N.O.S.

Contains: (Potassium Hydroxide, Solution)

Hazard Class: 8

ID Number: UN 1814

Packaging Group: III

Section 15
Regulatory Information

CERCLA, State and Local Planning (Reportable Quantities): Not required.

OSHA Compliance: This MSDS prepared in accordance with 29CFR 1910.1200 and ANSI Z400.1 standard.

SARA Title III Superfund: The product in its purchased form is not regulated under the SARA "Hazard Categories" under Section 311 and 312 of the Superfund Amendment and the Reauthorization Act of 1986 (SARA Title III).

State Right-to-Know Compliance: Not required.

TSCA: Although components of this product find listing under the Toxic Substances Act (TSCA), this blended product requires no import or export declaration.

Volatile Organic Compound (VOC) Content: This product complies with all VOC requirements in all 50 states.

Special Instructions: No special requirements.

Section 16
Other Information

Hazard: (Based on HMIS Standard), Health: 2 Flammability: 0 Reactivity: 0

Hazard Index: Minimal: 0, Slight: 1, Moderate: 2, High: 3, Extreme: 4



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|---------------------|---|
| HEALTH | 2 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | |

We believe the information contained herein is accurate and current as of the date of this Material Safety Data Sheet. Nevertheless, the user must evaluate and determine whether the conditions for use and application of the product, including proper disposal thereof, are appropriate, safe, and legal.