

MATERIAL SAFETY DATA SHEET

De-Solv-it®

MULTI-USE CITRUS SOLVENT

De-Solv-it® is a registered trademark of The Orange-Sol Group of Companies, Ltd.

Section 1 PRODUCT & COMPANY IDENTIFICATION

Product Name: De-Solv-it®, MULTI-USE CITRUS SOLVENT.

Product Use: General surface cleaning of oil, tar, mastic, gum, wax, and adhesive residues.

Distributor: Orange-Sol Household Products, Inc., 1400 N. Fiesta Blvd., Suite #100, Gilbert, AZ
85233-1000

For Information: 602/497-8822 (7am-4pm Mon-Fri MST)

In an Emergency: 602/497-8822 (7am-4pm Mon-Fri MST)

Section 2 COMPOSITION INFORMATION ON INGREDIENTS

Hazardous Components Product Mixture (U.S. Patent RE#29,649) The product has a flash point of 205°F (C.O.C.). No other hazards as per OSHA 29CFR1910.1200. See Section 3 for product assessment.

Section 3 HAZARDS IDENTIFICATION

Emergency Overview: Acute and prolonged exposure may cause dermatitis in a sensitive individual.

Primary Routes of Contact: Skin and oral.

Health Hazard:

Acute Exposure:

Vapor Inhalation: Not considered a hazard.

Eye: Contact is non-irritating.

Skin: Ordinary contact with normal individuals is not considered hazardous.

Ingestion: If swallowed, may cause a laxative effect. Not considered hazardous.

Chronic Effects:

Eye: None known.

Skin: None known.

Ingestion: None known.

Vapor Inhalation: Not considered hazardous.

Carcinogenicity Listings: NPT-None, IARC-None, OSHA-None, ACGIH-None.

Signs and Symptoms of Overexposure: None known in normal individuals.

Medical Conditions Aggravated by Exposure: Contact may aggravate dermatitis in sensitive individuals.

Section 4 FIRST AID PROCEDURES

Eye: Remove any contact lenses, then immediately flush with water, lifting eyelids, for at least 15 minutes. If irritation persists, contact a physician.

Skin: Remove contaminated clothing and re-laundry before reusing. Wash skin thoroughly with soap and water. If irritation persists, contact a physician.

Ingestion: In case of ingestion, do not induce vomiting. May be harmful or fatal if ingested into the lungs.

Inhalation: If the liquid is inhaled into the lungs, get immediate medical help. Otherwise no special requirements.

Section 5 FIRE AND EXPLOSION HAZARD

Flash Point: 205°F, C.O.C.

Auto Ignition: 675°F

Explosion Limits: Lel - 18%, Uel - unknown.

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

Unusual Fire and Explosion Hazard: May produce dense, black smoke. Stay upwind of a fire.

Special Firefighting Precautions: Do not use streams of water. This may cause the scatter of burning liquid and thus spread a fire.

Fire-Fighting Equipment: Use self-contained breathing equipment in any closed area.

Section 6 ACCIDENTAL RELEASE MEASURES

For Small Spills: Wipe up and dispose in a waste container.

Waste Disposal Methods: Dispose wastes in the drain or according to other routine methods, such as placing in a waste container for disposal in a landfill.

Section 7 HANDLING AND STORAGE Keep away from open flame or other ignition sources. Keep away from children.

Section 8 EXPOSURE CONTROLS

Engineering Controls: Adequate general ventilation. Otherwise no special controls.

Personal Protection:

Ventilation: Not required under normal conditions.

Respiratory: No special requirements.

Eye Protection: Not required.

Gloves: Nitrile gloves recommended for a sensitive individual.

Ingestion: Do not ingest.

Section 9 PHYSICAL & CHEMICAL PROPERTIES

Appearance: A liquid of orange color - citrus odor.

Vapor Pressure: 0.15 psi @ 68°F (20°C)

Specific Gravity: 0.799, 6.67 lbs/U.S. Gallon

Solubility in Water: Negligible.

Boiling Point: (50%) 416°F

Viscosity: 1.73 cps

Vapor Density: (Air=1) 4.5

Evaporation Rate: (Butyl Acetate=1) 0.06

Pour Point: -60°F (ASTM-97). There is no true freezing point for this mixture of hydrocarbons.

Dielectric Strength: 50,000 volts.

Section 10 STABILITY & REACTIVITY

Stability: Stable.

Incompatibility: Avoid strong oxidizing agents.

Hazardous Decomposition: As with any other organic material, combustion will produce carbon dioxide and/or carbon monoxide.

Hazardous Polymerizations: Will not occur.

Section 11 TOXICITY TESTS

Tests:

Oral: LD₅₀ >17,750 mg/kg (>16 ml/kg)

Inhalation: No toxic manifestations.

Draize Eye Irritation: Score 0.00

Primary Skin Irritation: Irritation index, 0.2 (low).

Muscle Tissue: No deleterious effects.

Irritancy of Product: Low primary skin irritation. No eye or inhalation effects.

Section 12 ENVIRONMENTAL TESTS Fundulus heteroclitus, LC₅₀, 4 days - 2000 ppm.

Section 13 TRANSPORTATION

DOT Labeling: The combustible liquid n.o.s. label is exempt in containers under 110 gallons.

Regulation 49CFR173.118A

Proper Shipping Name: Combustible liquid n.o.s.

Hazard Class: Combustible.

Identification Number: NA 1993, UN IAI/Z.80/1.03/91, USA/M4026/,82/1.09 MM

Section 14 REGULATORY INFORMATION

OSHA Compliance: MSDS prepared in accordance with 29CFR 1910.1200 to comply with the OSHA Hazard Communication Standard.

RCRA Characteristics: Waste Classification: Product has been evaluated for RCRA characteristics and does not meet criteria of a hazardous waste if discarded in its purchased form.

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

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

State Right-To-Know Compliance:

Pennsylvania: No hazardous components.

Massachusetts: Not regulated.

New Jersey: No hazardous components.

California: Not regulated.

DATE OF PREPARATION

Prepared By: J.A. Gurney, PhD.

Approved By: Eddie Farnsworth

Date: 5-31-95

The information expressed herein are those of qualified experts for Orange-Sol Industrial Products Inc. We believe that the information contained herein is accurate and current as of the date of this Material Safety Data Sheet. Since the application in use of the information contained herein, and the conditions of use of the product are not under the control of Orange-Sol Industrial Products Inc.; the user must evaluate and determine whether the conditions for use and the application of the product, including proper disposal thereof, are appropriate, safe, and legal.