

Medi-Sol

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 MSDS No: MAR NC

ORANGE-SOL
 Medical Products

MATERIAL SAFETY DATA SHEET

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Medi-Sol™ ADHESIVE REMOVER

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Section 1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Medi-Sol™ ADHESIVE REMOVER

Product Use: For the removal of adhesive and adhesive residue as well as tar, grease, and oil.

Distributor: Orange-Sol Medical Products, Inc., 955 N. Fiesta Blvd., Suite #1, Gilbert, AZ 85233-2801

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

A. Product Mixture: This product has a flash point of 187°F TCC. No other hazards as per OSHA, 49CFR 1910.1200. See Section 3 for product assessment.

B. Components: This section is considered confidential.

Section 3 HAZARDS IDENTIFICATION

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

Primary Routes of Contact: Oral and skin.

Health Hazard:

Acute Exposure: No serious effects are known.

Vapor Inhalation: No toxic manifestations.

Eye: No irritation.

Skin: Low irritation in normal individuals.

Ingestion: May provide a laxative effect. Not known to be harmful.

Chronic Effects:

Eye: None known.

Skin: None known.

Ingestion: None known.

Vapor Inhalation: None known.

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: Dermatitis may be aggravated in a sensitive individual.

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 launder 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: 187°F TCC.

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 Fire-Fighting Precautions: Do not use streams of water. This may cause the scattering of burning liquid and thus spread a fire.

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

Section 6 ACCIDENTAL RELEASE MEASURES

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

Waste Disposal Methods: The product is biodegradable. Dispose in a waste container and to a landfill according to routine waste handling procedures.

Section 7 HANDLING AND STORAGE Keep away from open flame or other ignition sources.**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: None required.

Gloves: Nitrile or Kevlar gloves are recommended for a sensitive individual.

Ingestion: Do not ingest.

Section 9 PHYSICAL & CHEMICAL PROPERTIES

Appearance: A clear yellow liquid - 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+

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 All test data are available on request.

Tests:

Oral: LD₅₀ Greater than 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: Non-irritating.

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

Section 13 TRANSPORTATION

DOT Labelling: 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 1A1/2.80/1.03/91; 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: *JL Conway, PhD*

Approved By: _____

Date: Aug 20, 1991

Revision Date: May 26, 1995

The information expressed herein are those of qualified experts for Orange-Sol Medical 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 Medical 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.