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Last Reviewed: 11 January, 2011

Urocare<sup>®</sup> Adhesive Remover Pads

Urocare Products, Inc. urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and fire prevention as necessary or appropriate to the use and understanding of the data contained in the MSDS.

To promote safe handling, each customer or recipient should: (1) notify its employees, agents, contractors and others whom it knows or believes will use this material of the information regarding hazards or safety; (2) furnish this same information to each of its customers for the product; and (3) request its customers to notify their employees, customers and other users of the product of this information.

## SECTION 1 • CHEMICAL PRODUCT & COMPANY INFORMATION

- 1.1 Product Name: Urocare<sup>®</sup> Adhesive Remover Pads.
- 1.2 Catalog Code(s): 5600
- 1.3 Component CAS #(s): Technical White Oil #8042-47-5; Orange Oil #8008-57-9.
- 1.4 Synonym(s): Mixture, Not applicable.
- 1.5 Chemical Name: Mixture of technical white oil and orange oil.
- 1.6 Distributor: Urocare Products, Inc. 2735 Melbourne Ave., Pomona, CA 91767-1931, U. S. A.
- 1.7 For Information: (909) 621-6013 Monday ~ Thursday 7:30AM ~ 5:00PM (PST).
- 1.8 Emergency Contact: (800) 457-4280 (InfoTRAC 24 hour number).

## SECTION 2 • COMPOSITION & INFORMATION ON INGREDIENTS

- 2.1 This product is classified as a “combustible liquid” according to Title 29 of the Code of Federal Regulations, OSHA Section 1910.1200©, page 463. “Combustible liquid” means any liquid having a flashpoint at or above 100 °F (37.8 °C), but below 200 °F (93.3 °C), except any mixture having components with flashpoints of 200 °F (93.3 °C), or higher, the total volume of which make up 99 percent or more of the total volume of the mixture.
- 2.2 This product does not contain asbestos or polychlorinated biphenyls.
- 2.3 Product Components: Mixture of technical white oil and orange oil (US Patent #RE29,649).

| <u>% by Volume</u> | <u>Material</u>     | <u>CAS #</u> | <u>EINECS #</u> |
|--------------------|---------------------|--------------|-----------------|
| 80                 | White Technical Oil | 8042-47-5    | 232-455-8       |
| 35                 | Orange Oil          | 8008-57-9    | N/A             |

### 2.4 HAZARD RATING

| Hazard Rating  | NFPA | HMIS |
|----------------|------|------|
| Health         | 0    | 0    |
| Fire           | 2    | 2    |
| Reactivity     | 0    | 0    |
| Special Hazard | N/A  | N/A  |

0 = Minimal  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Extreme

## SECTION 3 • HAZARDS IDENTIFICATION

- 3.1 Primary Routes of Contact: Ingestion, inhalation and absorption.
- 3.2 Exposure Guidelines (49CFR 1910.1200): Exposure Guidelines: Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting the regulatory requirements

| <u>%</u> | <u>Material</u>     | <u>CAS #</u> | <u>OSHA</u>     | <u>EXPOSURE VALUE</u> |                 |                 |
|----------|---------------------|--------------|-----------------|-----------------------|-----------------|-----------------|
|          |                     |              |                 | <u>ACGIH</u>          | <u>TLV</u>      | <u>TWA</u>      |
| 80       | White Technical Oil | 8042-47-5    | NE <sup>†</sup> | NE <sup>†</sup>       | NE <sup>†</sup> | NE <sup>†</sup> |
| 35       | Orange Oil          | 8008-57-9    | NE <sup>†</sup> | NE <sup>†</sup>       | NE <sup>†</sup> | NE <sup>†</sup> |

<sup>†</sup> Limit established by manufacturer. NE = Not Established.

- 3.3 ACUTE EXPOSURE: No serious effects are known.
- 3.3.1 SKIN ABSORPTION: Can occur. Low irritation in normal individuals. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash)
- 3.3.2 INHALATION: Avoid mists, which may irritate mucous membranes.
- 3.3.3 SKIN CONTACT: Contact may result in drying and cracking of the skin due to a defatting action.
- 3.3.4 EYE CONTACT: Liquid may cause irritation.
- 3.3.5 INGESTION: Expected to be a low ingestion hazard; however, if ingested, can cause abdominal irritation & diarrhea.
- 3.4 EFFECTS OF REPEATED OVEREXPOSURE: May cause dermatitis in sensitive individuals.
- 3.5 Medical Conditions Aggravated by Exposure: Dermatitis may become aggravated by sensitive individuals.
- 3.6 Significant Laboratory Data with Possible Relevance to Human Health Hazard Evaluation: None currently known.

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#### SECTION 4 • FIRST AID MEASURES

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- 4.1 SWALLOWING: Do not induce vomiting. May cause chemical pneumonia if aspirated into lungs.
- 4.2 SKIN: Remove contaminated clothing, wipe off and wash with soap and water. Get medical attention if ill or irritation develops. Launder contaminated clothing before reuse.
- 4.3 INHALATION: Remove individual to fresh air. Give artificial respiration if not breathing. Qualified personnel may administer oxygen if breathing is difficult. If irritation develops and persists, get medical attention.
- 4.4 EYES: Immediately flush with water for 15 minutes. Get medical attention if ill effects persist.
- 4.5 Notes to Physician: None.

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#### SECTION 5 • FIRE AND EXPLOSION HAZARD

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- 5.1 Flash Point, Method Used: 187° F (86° C), PMCC, ASTM D-93.
- 5.2 Autoignition (ASTM D2155): 675° F (357° C).
- 5.3 Flammable in Air by Volume at 100° F (38° C) LEL, UEL, Method Used: 18%, Not determined.
- 5.4 EXPLOSION DATA
- 5.4.1 Sensitivity to Impact: None.
- 5.4.2 Sensitivity to Static Charge: None.
- 5.5 Extinguishing Media: Water fog, carbon dioxide, dry chemical or foam.
- 5.6 Unusual Fire and Explosion Hazards: None.

- 5.7 Special Fire Fighting Precautions: Do not use streams of water; may spread burning liquid.
- 5.8 Special Fire Fighting Equipment: Do not enter confined fire-space without full bunker gear (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus. Evacuate area in case of overheating or fire.

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## SECTION 6 • ACCIDENTAL RELEASE MEASURES

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- 6.1 Small Spills: Spills are unlikely in purchased form.
- 6.2 Large Spills: Spills are unlikely in purchased form.
- 6.3 PROTECTIVE EQUIPMENT: None needed when used as directed or sold.
- 6.4 DOT (49CFR 171.8)/EPA (40CFR 117) SPILL REPORTING INFORMATION:
- 6.4.1 Hazardous Substance: Not applicable when dispensed as directed or sold.
- 6.4.2 Reportable Quantity: Not applicable when dispensed as directed or sold.

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## SECTION 7 • HANDLING AND STORAGE

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- 7.1 Precautions to be taken in Handling and Storage: Normal precautions common to safe manufacturing practices should be followed in handling and storage. Keep container closed, in a cool, dry place. Keep well ventilated. Do not breathe fumes and avoid skin contact. Combustible— Keep away from open flame or other ignition sources. Wash clothing before reuse. Do not flame cut, saw, drill, braze, or weld empty container—very hazardous!
- 7.2 Materials to Avoid: Isolate from oxidizers, acids, heat, sparks & open flame. WARNING! Hot organic chemical vapors or mists are susceptible to sudden spontaneous combustion when mixed with air. Ignition may occur at temperatures below those published in the literature as "autoignition" or "ignition" temperatures. Ignition temperatures decrease with increasing vapor volume and vapor/air contact time and are influenced by pressure changes.

Ignition may occur at typical elevated-temperature process conditions, especially in processes operation under vacuum if subjected to sudden ingress of air or outside process equipment operating under elevated pressure if sudden escape of vapors or mists into the atmosphere occurs. Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

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## SECTION 8 • EXPOSURE CONTROLS/PERSONAL PROTECTION

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- 8.1 Engineering Controls: Adequate general ventilation; otherwise, a mechanical, local exhaust is recommended.
- 8.2 PERSONAL PROTECTION: Not applicable when dispensed as directed or sold.

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## SECTION 9 • PHYSICAL & CHEMICAL PROPERTIES

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- 9.1 Appearance and Odor: Clear to light-orange liquid with a mild citrus odor.
- 9.2 Boiling Point: 50% 416° F (157° C).
- 9.3 Autoignition Point: Not determined.
- 9.4 Dielectric Strength: 50,000.
- 9.5 Evaporation Rate (Butyl Acetate=1): 0.06.
- 9.6 Freezing/Melting Point: There is no true freezing point for this mixture of hydrocarbons., Not applicable.
- 9.7 Percent Volatile by Volume: 100%.
- 9.8 PH: None.

- 9.9 Pour Point, Method Used: -60° F (-51° C), ASTM-97.
- 9.10 Solubility in Water, Method Used: < 15 ppm, EPA modified Method 8015.
- 9.11 Specific Gravity (H<sub>2</sub>O=1 at 68° F (20° C)): 0.809, 6.75 lbs./US gallon.
- 9.12 Vapor Density (Air=1 at 68° F (20° C)): 4.5.
- 9.13 Vapor Pressure (at 68° F (20° C) < 0.002 psi): 0.2 mm Hg (estimated).
- 9.14 Viscosity: Similar to water.

**SECTION 10 • STABILITY AND REACTIVITY**

- 10.1 Stability: Stable under normal conditions.
- 10.2 Conditions to Avoid: Isolate from oxidizers, acids, heat, sparks and open flame.
- 10.3 Incompatibility (Material to Avoid): Avoid strong oxidizing agents and acids.
- 10.4 Hazardous Combustion or Decomposition Products: None expected under normal conditions; however, as with any other organic material, combustion will produce carbon dioxide and/or carbon monoxide.
- 10.5 Hazardous Polymerization: Should not occur.

**SECTION 11 • TOXICOLOGICAL INFORMATION**

11.1 Toxicity to Animals:

|  |   |
|--|---|
| Component:                                 | <u>Mixture</u>                              |
| Acute Oral LD <sub>50</sub> (mg/kg):       | > 17,750 (Rat) (> 16 ml/kg)                 |
| Acute Inhalation LC <sub>50</sub> (mg/kg): | No toxic manifestations (Rat)               |
| Acute Dermal LD <sub>50</sub> (mg/kg):     | Not determined                              |
| Skin Irritation:                           | Irritation index, 0.2 (low, non-irritating) |
| Skin Sensitization                         | Not determined                              |
| Eye Irritation:                            | Score 0.00, Draize test                     |

**SECTION 12 • ECOLOGICAL INFORMATION**

- 12.1 Ecotoxicological Information: Product is biodegradable. Product is not expected to have acute toxicity to aquatic organisms.  
TESTS: Fundulus heteroclitus, LC<sub>50</sub>, 4 days, 2,000 ppm.
- 12.2 Chemical Fate Information: Not available.

**SECTION 13 • DISPOSAL CONSIDERATIONS**

- 13.1 Waste Disposal Methods: The product is biodegradable and the products of biodegradation are less toxic than the product itself. In its purchased form, the product does not require any special disposal methods; however, disposal in accordance with applicable local, county, state and federal regulations is recommended.

**SECTION 14 • TRANSPORTATION INFORMATION**

14.1 MATERIAL IDENTIFICATION

| <u>Authority</u> <sup>†</sup> | <u>Proper Shipping Name</u> | <u>Hazard Class</u> | <u>Hazard Label</u> | <u>UN #</u> | <u>Packing Group</u> |
|-------------------------------|-----------------------------|---------------------|---------------------|-------------|----------------------|
| DOT                           | Consumer Commodity ORM-D    | N/A                 | N/A                 | N/A         | N/A                  |
| CTDG                          | Consumer Commodity ORM-D    | N/A                 | N/A                 | N/A         | N/A                  |



|           |                           |   |                  |        |     |
|-----------|---------------------------|---|------------------|--------|-----|
| ICAO/IATA | Combustible liquid n.o.s. | 3 | Flammable Liquid | UN1993 | III |
| IMO/IMDG  | Combustible liquid n.o.s. | 3 | Flammable Liquid | UN1993 | III |

† Labeling: The product in its purchased form is exempt from labeling requirements in containers under 110 gallons (416.4 Liters). Regulation 49 CFR § 173.118 (a).

14.2 C.H.I.P. Regulations:

Designation: Protective Skin Barrier Wipes  
Symbol: F, Xi, N  
Indication of Danger: Flammable  
Safety Phrases: S3/S8/S24  
Risk Phrases: R10/R20/R22 (Refer to § 7 "STORAGE & HANDLING")



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**SECTION 15 • OTHER REGULATORY COMPLIANCE INFORMATION**

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- 15.1 C.H.I.P. (Chemicals Hazards Information & Packaging) Regulation 1993 Requirements: Physicochemical and health hazard determination of all substances and preparations manufactured, transported, stored, modified or consumed within the EEC. Components present in this product at a level, which could require reporting under the statute, are: Not regulated in its purchased form.
- 15.2 The Comprehensive OSHA Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA): OSHA Compliance: MSDS Prepared in accordance with OSHA 29CFR 1910.1200 to comply with the Hazard Communication Standard: Not regulated in its purchased form.
- 15.3 Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III: The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: Not regulated in its purchased form.
- 15.4 The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III also requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). Components present in this product at a level, which could require reporting under the statute, are: Not regulated in its purchased form.
- 15.5 INVENTORY STATUS: Yes, the ingredients are on or exempt from listing on the inventories of: United States (TSCA), Canada (DSL), Europe (EINECS/ELINCS), Australia (AICS), Japan (MITI) and South Korea (KECL).
- 15.6 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.
- 15.7 OSHA Compliance: MSDS Prepared in accordance with OSHA 29 CFR 1910.1200 to comply with the Hazard Communication Standard.
- 15.8 STATE RIGHT-TO-KNOW COMPLIANCE
- 15.8.1 California Proposition 65: This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.
- 15.8.2 Southern California AQMD: This Product Meets Requirements of Rule 443.1 & Similar Regulations.
- 15.8.3 Volatile Organic Compound (VOC) Content: This product complies with all VOC requirements in all 50 states.
- 15.8.4 Massachusetts 105 CMR 670.000 Right-To-Know, Substance List (MSL): Hazardous substances and special hazardous substances on the list must be identified when present in products. Components present in this product at a level, which could require reporting under the statute, are: Not regulated.

15.8.5 New Jersey Right-To-Know, Substance List (MSL): Hazardous substances and special hazardous substances on the list must be identified when present in products. Components present in this product at a level, which could require reporting under the statute, are: Not regulated.

15.9 EPA Hazard Categories: Fire Hazard, Immediate Health Hazard, Delayed Health Hazard.

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## SECTION 16 • DISCLAIMER

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The information contained herein is current as of the date of this Material Safety Data Sheet and is furnished in good faith as typical values and not as a product specification. No warranty of any kind, either expressed or implied, is hereby made. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of Urocare products, Inc., users should consider this data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety of employees and customers.

### KEY

CERCLA..... Comprehensive Environmental Response, Compensation, and Liability Act  
CTDG ..... Canadian Transportation of Dangerous Goods  
DOT ..... Department of Transportation  
EPA ..... Environmental Protection Agency  
HMIS ..... Hazardous Materials Identification System  
IATA ..... International Air Transport Authority  
IARC ..... International Agency for Research on Cancer  
ICAO ..... International Civil Aviation Organization  
IMDG ..... International Maritime Dangerous Goods code  
IMO ..... International Maritime Organization  
NTP ..... Nation Toxicology Program  
OSHA ..... Occupational Safety and health Administration  
RCRA ..... Resource Conservation and Recovery Act  
SARA ..... Superfund Amendments and Reauthorization Act