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Urofoam[®] Adhesive Foam Strips

Urocure 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: Urofoam[®] Adhesive Foam Strips.
- 1.2 Catalog Code(s): 5200, 5100
- 1.3 Component CAS #(s): None.
- 1.4 Synonym(s): Poly Vinyl Chloride (PVC), PVC Nitrile Foam.
- 1.5 Chemical Name: Not applicable.
- 1.6 Manufacturer/Distributor: Urocure 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 an “article” according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200©, page 463. “Article” means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g. minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees.”
- 2.2 This product does not contain asbestos or polychlorinated biphenyls.
- 2.3 Product Components: Acrylic pressure sensitive medical adhesive, ensolite foam and siliconized bleached kraft liner.
- 2.4 HAZARD RATING

Hazard Rating	NFPA	HMIS
Health	0	0
Fire	0	0
Reactivity	0	0
Personal Protection	N/A	N/A

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

SECTION 3 • HAZARDS IDENTIFICATION

- 3.1 Primary Routes of Contact: Oral and skin.
- 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: Not applicable.

- 3.3 ACUTE EXPOSURE: Ensolite does not present any known health hazard under normal conditions of use.
- 3.3.1 SKIN ABSORPTION: Will not occur.
- 3.3.2 INHALATION: Not likely to be inhaled.
- 3.3.3 SKIN CONTACT: None known; this adhesive foam product has been shown to be non-irritating and non-sensitizing under primary skin irritation tests. May be a cumulative irritant to some individuals.
- 3.3.4 EYE CONTACT: Direct contact may cause mechanical injury only; stain for evidence of corneal injury.
- 3.3.5 INGESTION: Not likely to be ingested in its purchased form.
- 3.4 EFFECTS OF REPEATED OVEREXPOSURE: None known.
- 3.5 Medical Conditions Aggravated by Exposure: Pre-existing skin disorders.
- 3.6 Laboratory Data with Possible Relevance to Human Health Hazard Evaluation: None currently known.

SECTION 4 • FIRST AID MEASURES

- 4.1 SWALLOWING: Not likely; however, if swallowed, get medical attention immediately and treat symptomatically.
- 4.2 SKIN: Remove and wash with soap and water. Get medical attention if ill or irritation develops.
- 4.3 INHALATION: Not likely to be inhaled in its purchased form.
- 4.4 EYES: Eye contact is unlikely; however, should contact occur, remove and immediately flush with water. If irritation persists, get medical attention.
- 4.5 Notes to Physician: None.

SECTION 5 • FIRE AND EXPLOSION HAZARD

- 5.1 Flash Point, Method Used: Not applicable.
- 5.2 Autoignition: Not determined.
- 5.3 Flammable in Air by Volume at 100° F (38° C): LOWER: Not determined, UPPER: Not determined.
- 5.4 Extinguishing Media: Water fog, dry chemical, foam, carbon dioxide or other.
- 5.5 Unusual Fire and Explosion Hazards: When burned, product should be considered toxic. Hazardous decomposition may occur from melting foam and plastics. Use NIOSH approved positive-pressure self-contained breathing apparatus.
- 5.6 Special Fire Fighting Precautions: Dense smoke is emitted when burned. Toxic fire/gas hazard.
- 5.7 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.

SECTION 6 • ACCIDENTAL RELEASE MEASURES

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

SECTION 7 • HANDLING AND STORAGE

- 7.1 Precautions to be taken in Handling and Storage: Best stored in a cool, dry location. Otherwise, normal precautions common to safe manufacturing practices should be followed. For hot processing (above 175° F (79° C) e. g. thermoforming) local exhaust, safety glasses and gloves, for thermal protection, are recommended.
- 7.2 Materials to Avoid: None known.

SECTION 8 • EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Engineering Controls: For hot processing (above 175° F (79° C) e. g. thermoforming) local exhaust is recommended. If the product is cut or mechanically worked, dust and fibers may be generated. Use engineering controls where technically possible, such as isolation, exhaust ventilation, dust collection systems. Avoid the use of air jets to blow off equipment; use vacuum cleaners with High Efficiency Particulate Air (HEPA) filters. Laser cutting, drilling or machining that produces smoke should be well exhausted to remove fumes from the work place.
- 8.2 PERSONAL PROTECTION: For hot processing, safety glasses and gloves, for thermal protection, are recommended.

SECTION 9 • PHYSICAL & CHEMICAL PROPERTIES

- 9.1 Appearance and Odor: A light-beige closed-cell PVC/Nitrile foam with a clear acrylic adhesive coating on both sides covered by a white release liner with a negligible odor.
- 9.2 Boiling Point (At 760 mm Hg): Not applicable.
- 9.3 Autoignition Point: Not applicable.
- 9.4 Dielectric Strength: Not available.
- 9.5 Evaporation Rate (Ether=1): Not determined.
- 9.6 Freezing/Melting Point: Not applicable.
- 9.7 Percent Volatile by Weight (%): 0.5% or less.
- 9.8 PH: Not applicable.
- 9.9 Pour Point: Not determined.
- 9.10 Solubility in Water (%): Not soluble.
- 9.11 Specific Gravity (H₂O=1 @ 77° F (25° C): 0.04 to 0.24.
- 9.12 Vapor Density (Air=1 @ 77° F (25° C): Not applicable.
- 9.13 Vapor Pressure (@ 77° F (25° C): Not applicable.
- 9.14 Viscosity: Not applicable.

SECTION 10 • STABILITY AND REACTIVITY

- 10.1 Stability: Stable.
- 10.2 Incompatibility (Material to Avoid): Not applicable.
- 10.3 Hazardous Decomposition: May occur from melting foam and plastics. When burned, dense smoke is emitted and product should be considered toxic. THERMD3ECOMP: POS, organic and inorganic halogen compounds, CO², Cyanide CMP. Use NIOSH approved positive-pressure self-contained breathing apparatus.
- 10.4 Hazardous Polymerization: Will not occur.

SECTION 11 • TOXICOLOGICAL INFORMATION

- 11.1 Toxicity to Animals:

Component:	<u>Acrylic Adhesive</u>
Acute Oral LD ₅₀ (mg/kg):	Not applicable
Acute Inhalation LC ₅₀ (mg/kg):	Not applicable
Acute Dermal LD ₅₀ (mg/kg):	Not available
Skin Irritation:	2.0 (out of possible 8.0), Draize test (Rabbit)
Skin Sensitization	Not determined
Eye Irritation:	Not determined

SECTION 12 • ECOLOGICAL INFORMATION

- 12.1 Ecotoxicological Information: Not available.
12.2 Chemical Fate Information: Not available.

SECTION 13 • DISPOSAL CONSIDERATIONS

- 13.1 Waste Disposal Methods: The product is NOT biodegradable. 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: Not hazardous and therefore not regulated.
14.2 C.H.I.P. Regulations: Not hazardous, Not regulated.

SECTION 15 • ADDITIONAL REGULATORY COMPLIANCE INFORMATION

- 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: None.
- 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: None.
- 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: None.
- 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: None.
- 15.5 INVENTORY STATUS: No, the ingredients are NOT on any of 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.



Urocure Products, Inc.

MATERIAL SAFETY DATA SHEET

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Pomona, CA 91767-1931, U.S.A.
Tel: (909) 621-6013 / (800) 423-4441
Fax: (909) 621-4436
Email: cust.support@urocare.com

- 15.8.3 Volatile Organic Compound (VOC) Content: This product complies with all VOC requirements in all 50 states.
- 15.8.4 Right-To-Know, Substance and Spill Lists: California, Connecticut, Illinois, New York, Rhode Island, Pennsylvania, Florida, Minnesota, Massachusetts, New Jersey, Louisiana, California Director's list of Hazardous Substances: None.

15.9 EPA Hazard Categories: None, not hazardous.

SECTION 16 • DISCLAIMER

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 Urocure 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