

MATERIAL SAFETY DATA SHEET

BIRCHWOOD LABORATORIES, INC.
LIQUICELL MATTRESS OVERLAY

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DATE REVISED: 5/04/2011
REVISION MSDS NO. 9421-00

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LIQUICELL SHEAR REDUCING MATTRESS OVERLAY
PRODUCT PART NUMBER: 94211
MANUFACTURED BY: BIRCHWOOD LABORATORIES, INC.
7900 Fuller Road
Eden Prairie, MN 55344 USA
Product Information: 952- 937-7958 (8:00-4:00pm CST)
Fax Number: 952-937-7979
www.birchlabs.com

24 HOUR TRANSPORTATION EMERGENCY NUMBER: CHEMTREC
800-424-9300 U.S. & CANADA
703-527-3887 INTERNATIONAL (Collect)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: WARNING: For external use, only. Waterproof, washable outer sheath containing ultra-thin liquid-filled membranes. The product does not present any significant physical or health hazards as sold.

APPEARANCE/ODOR: Waterproof, washable outer sheath containing ultra-thin liquid-filled membranes.

EYE CONTACT: Should membrane be punctured and liquid escape, the liquid may cause mild eye irritation.

SKIN CONTACT: Intended for skin contact.

INGESTION: Swallowing pieces of membrane may cause digestive discomfort.

INHALATION: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

DESCRIPTION	CAS#	Weight %	OSHA PEL		ACGIH TLV	
			TWA	STEL/C	TWA	STEL/C
Polyurethane	NA	40	NE	NE	NE	NE
Polydimethylsiloxane	63148-62-9	35	NE	NE	NE	NE
PolyVinylChloride	NA	15	NE	NE	NE	NE
Polyester	NA	10	NE	NE	NE	NE

TWA – Time-weighted Average STEL – Short-term exposure limit C – Ceiling
(skin) – skin designation means that harmful amounts may be absorbed through the skin
* Certain States enforce PELs that were in place in 1989, but were later removed by the U.S. Supreme Court. Check with your State OSHA to determine which PEL is enforced in your State.
NE = not established NA = not applicable NDA = no data available
ACGIH = American Congress of Government Industrial Hygienist

4. FIRST AID MEASURES

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EYE CONTACT: Should membrane be punctured and liquid contact the eye, flush immediately with clean water for at least 15-minutes. Seek medical attention if irritation develops.

SKIN CONTACT: Intended for skin contact.

INGESTION: Not Applicable.

INHALATION: Not Applicable.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: >460°F (>238°C) METHOD USED: ASTM-93 (Pensky-Martens Closed Cup)

FLAMMABLE LIMITS: LFL: NA UFL: NA

EXTINGUISHING MEDIA: Water-mist, sand, carbon dioxide, dry chemical or other media appropriate for surrounding materials.

FIRE & EXPLOSION HAZARDS: None

SPECIAL FIRE FIGHTING PROCEDURES: N/A

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent material from entering water or storm-sewer systems.

Review current local, state and federal laws, codes, statutes, and regulations to determine appropriate agencies to be notified, and the conditions under which they are to be notified. (See Section 13 for waste disposal comments).

7. HANDLING AND STORAGE:

HANDLING: NA

STORAGE: Store at room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: NA

EYE PROTECTION: NA

PROTECTIVE GLOVES/ BODY PROTECTION: NA

VENTILATION: NA

OTHER PROTECTIVE EQUIPMENT: Eyewash

NOTE: All PPE should be selected on the basis of an exposure assessment performed by a competent person.

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9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: >212°F	SPECIFIC GRAVITY: (Water = 1): 1.1
VAPOR PRESSURE: NDA	VOLATILE BY VOLUME: 0 %
VAPOR DENSITY: (Air = 1): >1	EVAPORATION RATE: (Ethyl Ether = 1): < 1
SOLUBILITY IN WATER: NA	pH: NA
APPEARANCE: Blue/Black Waterproof Pad	ODOR: Neutral

10. STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: None.

INCOMPATIBILITY (materials to avoid): Materials that react to water.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon dioxide, carbon monoxide, diphenylmethane diisocyanate, silicon dioxide and other products of incomplete combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

There is no product based toxicological information for this product. Toxicology information is provided based on individual ingredients.

LD50, oral, rat: >5,000 mg/Kg (Polydimethylsiloxane)

Target Organ Toxicity: NA

Medical Conditions that may be aggravated by exposure: Pre-existing skin disorders.

Carcinogenicity: IARC: None NTP: None OSHA: None

12. ECOLOGICAL INFORMATION

ECOTOXICITY: NDA

ENVIRONMENTAL FATE: NDA

13. DISPOSAL CONSIDERATIONS

Review current local, state and federal laws, codes, statues, and regulations to determine current status and appropriate disposal method for the ingredients listed in Section 2 and user process knowledge. Any disposal practice must be in compliance with local, state, and federal laws and regulations. Contact the appropriate agency for specific information. A licensed facility or waste hauler must deal with treatment, transport, storage and disposal of hazardous wastes.

14. TRANSPORT INFORMATION

D.O.T. HAZARDOUS MATERIALS DESCRIPTION AND PROPER SHIPPING NAME:
Non-hazardous material, not regulated.

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15. REGULATORY INFORMATION

TSCA (TOXIC SUBSTANCES CONTROL ACT): The materials in this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Response Compensation and Liability Act, 40 CFR 117, 302: Reportable Quantity - NDA

SARA TITLE III (Superfund Amendments and Authorization Act):

Section 311/312:

Immediate Health Effects: No

Delayed Health Effects: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactivity Hazard: No

Section 313 Reportable Ingredients: None

STATE "RIGHT-TO-KNOW": This product may contain components cited on certain state lists. Consult individual State regarding this product's components.

16. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION CODES (NFPA):

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

The data here is for hazard communication to our employees, our customers and their employees, and authorized regulatory agencies. For the intended purpose, this MSDS (Material Safety Data Sheet) may be duplicated or the data transcribed to an alternative form.

NOTE: The information contained herein is provided in good faith and is believe to be correct as of the date hereof. However, Birchwood Laboratories, Inc. makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular period.

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FOR ASSISTANCE WITH PLACING ORDERS:

- Product Pricing / Payment Terms
- Shipping and Tracing of Shipments
- Sales Rep Locations
- Questions on Product Usage
- Product safety

Call our Sales Department: 952-937-7958 Or 1-800-328-6156, Ext. 7958 FAX 952-937-7979