

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: PORON Medical® Urethanes

CHEMICAL FAMILY: Urethane Polymer

HMIS RATING: H 0 F 1 R 0

USE OF MATERIAL: Insulation, Padding

DATE PREPARED: 4/28/2008

EMERGENCY PHONE: 860-774-9605

CHEMTREC: 800-424-9300 (U.S. & Canada)
703-527-3887 (International – call collect)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>EINECS</u> <u>/ELINCS</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>EU</u> <u>Classification</u>
Alumina Trihydrate	21645-51-2	244-492-7	<16	15 mg/m ³ (Total Dust)	10 mg/m ³ (as Al)	NC
Titanium Oxide	13463-67-7	236-675-5	<12	15 mg/m ³ (Total Dust)	10 mg/m ³	NC
Silicon Dioxide	7631-86-9	231-545-4	<1	5 mg/m ³ (Resp.)	3 mg/m ³ (Resp.)	NC

This material is produced as an "article" as defined in 20 CFR 1910.1200 and is therefore exempt from the Hazard Communication Standard. Since this material does not release and will not result in exposure to a hazardous chemical under normal conditions of use, no Material Data Sheet is required. This form is provided as a convenience to our customers. The material contains no other hazardous ingredients as defined in OSHA's Hazard Communication Standard 29 CFR 1910.1200 or EU directive 1999/45/EC, and does not present a health or environmental hazard according to directive 67/548/EC.

* See Section 3

3. HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE: None are expected with normal handling. Cutting and other finishing operations may create polyurethane dust. Ventilation and personal protection should be similar to all operations generating nuisance dust.

INHALATION: Dust may cause respiratory irritation. Remove to fresh air and seek medical attention if necessary.

EYE CONTACT: Dust may cause irritation. Flush eyes with water and seek medical attention if necessary.

SKIN CONTACT: Dust may cause mechanical irritation. Wash thoroughly with soap and water.

INGESTION: None known.

CHRONIC: None known.

4. FIRST-AID MEASURES

INHALATION:	Remove to fresh air and obtain medical attention if symptoms persist.
EYE CONTACT:	Flush eyes and eyelids thoroughly with soap and water; seek medical attention if irritation persists.
SKIN CONTACT:	Wash thoroughly with soap and water, seek medical attention if symptoms persist.
INGESTION:	NA

5. FIRE-FIGHTING MEASURES

FLASH POINT:	NA	Flammable Limits:	LEL	NE	UEL
AUTOIGNITION TEMPERATURE:	NA				
EXTINGUISHING MEDIA:	<u> X </u> Water Spray <u> X </u> Dry Chemical	<u> X </u> Foam <u> </u> Other –	<u> X </u> CO ₂		
SPECIAL FIRE FIGHTING PROCEDURES:	Decomposition in a fire may produce toxic fumes. Firefighters should be equipped with self-contained breathing apparatus and turnout gear.				
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Polyurethane materials may generate dense smoke in a fire.				

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	None needed.
ENVIRONMENTAL PRECAUTIONS:	None needed.
CLEANING METHODS:	Sweep or shovel into appropriate container for disposal. Avoid creation of nuisance dust.

7. HANDLING AND STORAGE

HANDLING:	Hot wire cutting operations should be exhausted to prevent exposure to irritating vapors. Wear suitable protective equipment, refer to Section 8.
STORAGE:	Keep in a cool, well-ventilated area.

8. ENGINEERING CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:	None needed.
<u>VENTILATION</u>	
LOCAL:	Recommended in cutting/finishing operations or hot wire cutting operations.
GENERAL:	Recommended as with all industrial operations.
<u>PERSONAL PROTECTION</u>	
HAND:	Gloves to avoid dust mechanical irritation if desired.
EYE:	Safety glasses with side shields are recommended in all industrial operations.
SKIN:	None required.
OTHER:	Safety shower/eyewash in the area.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Cellular Urethane Foam roll or sheet (various colors).
ODOR:	Slight Odor
PHYSICAL STATE:	Solid
BOILING POINT:	NA
MELTING POINT:	NE
FREEZING POINT:	NE
WATER SOLUBILITY:	None
VAPOR PRESSURE:	NA
SPECIFIC GRAVITY:	0.2-0.53 (water = 1)
PARTITION COEFFICIENT:	NA
EXPLOSIVE PROPERTIES:	NA
EVAPORATION RATE:	NA
DENSITY:	NA
VISCOSITY:	NA
IGNITION TEMPERATURE:	NA
PH:	NA
FLAMMABILITY:	NA
OXIDIZING PROPERTIES:	NA

10. STABILITY AND REACTIVITY

STABLE ☒ UNSTABLE ☐

CONDITIONS TO AVOID:	NA
MATERIALS TO AVOID:	NA
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Does Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:	CO, CO ₂ , Oxides of nitrogen, HCN, and traces of incompletely burned carbon compounds.

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS:	NA
ACUTE/CHRONIC:	NA
REPRODUCTIVE HAZARDS:	NA

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATION

ENVIRONMENTAL TOXICITY DATA:	NA
WASTE DISPOSAL METHOD:	Dispose of in accordance with applicable federal, state, provincial, and local laws and regulations.
CONTAINER DISPOSAL:	Dispose of in accordance with applicable federal, state, provincial, and local laws and regulations.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION: Not Regulated
IMDG CLASSIFICATION: Not Regulated
ICAO/IATA CLASSIFICATION: Not Regulated

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS:

Canadian (DSL/NDSL): Listed
Australian (ACIS): Listed
Korea (KECI): Listed
Japan (ENCS, MITI): Listed
EU Directive 2002/95/EC (RoHS): Complaint

TSCA
(Toxic Substances Control Act): All ingredients listed on TSCA or exempt.

CERCLA
(Comprehensive Emergency Response,
Compensation, and Liability Act): Acrylonitrile (107-13-1) RQ 100 Lbs.

SARA TITLE III
(Superfund Amendments and
Reauthorization Act): NA

311/312 HAZARD CATEGORIES: None

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
107-13-1	ACRYLONITRILE	10 PPM
100-42-5	ETHENYL BENZENE	25 PPM
3264-82-2	NICKEL COMPOUND	<2

16. OTHER INFORMATION

NA = Not Applicable
NE = Not Established
NC = Not Classified

FILE: Poron Medical Urethanes.doc
99176
PREPARED BY: Michal Werbecki
REVIEWED BY: Frances Walsh

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