



# PRODUCT SAFETY INFORMATION SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

TRADE NAME: Poron Medical® Urethanes  
CHEMICAL FAMILY: Cellular Polyurethane  
HMIS RATING: H 0 F 1 R 0  
USE OF ARTICLE: Insulation, Padding  
DATE ISSUED: February 15, 2016  
COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation  
245 Woodstock Road  
Woodstock, CT 06281  
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Email: msdsinfo@rogerscorporation.com

## 2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL: NE  
LABELING REQUIREMENTS: NE  
EFFECTS OF OVEREXPOSURE: None are expected with normal handling. Cutting and other finishing operations may create polyurethane dust. If an excessive quantity of dust is inhaled, it may cause nasal and respiratory irritation. Ventilation and personal protection should be similar to all operations generating nuisance dust.  
INHALATION: Remove to fresh air-seek medical attention if necessary.  
EYE CONTACT: Dust may cause irritation. Safety glasses are recommended in all industrial operations. Flush eyes with water and seek medical attention.  
SKIN CONTACT: Wash thoroughly with soap and water.  
INGESTION: None known.  
CHRONIC: None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is produced as an "article" as defined in 20 CFR 1910.1200 and REGULATION (EC) N° 1907/2006 is therefore exempt from the Hazard Communication Standard and REACH. Since this material does not release and will not result in exposure to a hazardous chemical under normal conditions of use, no Safety Data Sheet is required.

<u>Chemical Name</u>	<u>CAS No.</u>	<u>EINECS /ELINCS</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>China OEL</u>
Polyurethane Foam	9010-69-9	232-723-4	>73	NE	NE	NE
Alumina Trihydrate	21645-51-2	244-492-7	<16	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> (as al)	NA
Titanium Oxide	13463-67-7	236-675-7	<12	15 mg/m <sup>3</sup> (Total Dust)	10 mg/m <sup>3</sup>	NA
Silicon Dioxide	7631-86-9	231-545-4	<1	5 mg/m <sup>3</sup> (resp.)	3 mg/m <sup>3</sup> (Resp)	NA

#### 4. FIRST-AID MEASURES

INHALATION:	Remove to fresh air. Obtain medical attention if symptoms persist.
EYE CONTACT:	Flush eyes with large amounts of water for 15 to 20 minutes. Obtain medical attention if symptoms persist.
SKIN CONTACT:	Immediately take off all contaminated clothing and flush area with water for 15 to 20 minutes. Obtain medical attention if symptoms persist.
INGESTION:	NA

#### 5. FIRE-FIGHTING MEASURES

FLASH POINT:	NE °C (°F)	Flammable Limits:	LEL	NA	UEL	NA
AUTOIGNITION TEMPERATURE:	NE °C (°F)					
EXTINGUISHING MEDIA:	<u>X</u> Water Spray	<u>X</u> Foam	<u>X</u> CO <sub>2</sub>			
	<u>X</u> Dry Chemical	<u>X</u> Other –				
SPECIAL FIRE FIGHTING PROCEDURES:	Decomposition in a fire may produce toxic fumes. Firefighters should be equipped with self-contained breathing apparatus.					
UNUSUAL FIRE AND EXPLOSION HAZARDS:	May release hazardous vapors during 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. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:	None needed under normal conditions. If material is heated and odors are noticeable and/or irritating a respirator meeting NIOSH requirements should be used. A qualified individual should evaluate each situation.
<u>VENTILATION</u>	
LOCAL:	Recommended for all industrial operations.
GENERAL:	Recommended for all industrial operations.
<u>PERSONAL PROTECTION</u>	
HAND:	Gloves to avoid skin contact 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 Available)
ODOR:	Slight, Characteristic
PHYSICAL STATE:	Solid
BOILING POINT:	NA °C (°F)
MELTING POINT:	NE °C (°F)
FREEZING POINT:	NA °C (°F)
FLASH POINT:	NE °C (°F)
WATER SOLUBILITY:	In-Soluble
VAPOR DENSITY:	NA
VAPOR PRESSURE:	NA
SPECIFIC GRAVITY:	0.2-0.53 (Water = 1)
PARTITION COEFFICIENT:	NA
EVAPORATION RATE:	NA
RELATIVE DENSITY:	NA
VISCOSITY:	NA
AUTO-IGNITION TEMPERATURE:	NA °C (°F)
DECOMPOSITION TEMPERATURE:	NA °C (°F)
PH:	NA
FLAMMABILITY:	NA

## 10. STABILITY AND REACTIVITY

STABLE	<input checked="" type="checkbox"/>	UNSTABLE	<input type="checkbox"/>
CONDITIONS TO AVOID:	Heat, high temperatures.		
MATERIALS TO AVOID:	Acids, bases, and oxidizers.		
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> May Occur	<input checked="" type="checkbox"/> Does Not Occur	
HAZARDOUS DECOMPOSITION PRODUCTS:	CO, CO <sub>2</sub> , Oxides of nitrogen, HCN, and traces of incompletely burned carbon compounds.		

## 11. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: NA

## 12. ECOLOGICAL INFORMATION

ECOTOXICITY: NA

## 13. DISPOSAL CONSIDERATION

PHYSICAL/CHEMICAL PROPERTIES AFFECTING DISPOSAL: None

ENVIRONMENTAL TOXICITY DATA: NA

WASTE DISPOSAL METHOD: Dispose of in accordance with applicable federal, state, provincial, and local laws and regulations.

## 14. TRANSPORT INFORMATION

UN NUMBER: Not Regulated

UN PROPER SHIPPING NAME: Not Regulated

HAZARD CLASS (ES): Not Regulated

PACKING GROUP: Not Regulated

ENVIRONMENTAL HAZARDS: NE

## 15. REGULATORY INFORMATION

### INTERNATIONAL REGULATIONS:

Canadian (DSL/NDSL):	Listed
Australian (ACIS):	NE
Korea (KECI):	NE
Japan (ENCS, MITI):	NE
REACH Directive	Material is Classified as an Article
China (SEPA)	Article - exempt
EU Directive 2011/95/EC (RoHS):	Does not contain any intentionally added substances mentioned by the RoHS directive.

### European:

Symbol Not classified according to directive 1999/45/EC & 2001/60/EC (dangerous preparations).

### TSCA

*(Toxic Substances Control Act):*

All materials are listed or exempt from TSCA listing.

### CERCLA

NA

*(Comprehensive Emergency Response, Compensation, and Liability Act):*

### SARA TITLE III

NA

*(Superfund Amendments and Reauthorization Act):*

### 311/312 HAZARD CATEGORIES:

None

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

CAS #  
3264-82-2

CHEMICAL NAME  
Nickel Compound

PERCENT BY WEIGHT  
<2

## 16. OTHER INFORMATION

NA = Not Applicable

FILE: 99176-Poron Medical UrethanesPSI-02152016.doc

NE = Not Established

PREPARED BY: Michal Werbecki

NC = Not Classified

REVIEWED BY: Curtis Kempton

Date Prepared: 02/15/2016

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