

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: PORON® Performance Urethanes

CHEMICAL FAMILY: Urethane Polymer

HMIS RATING: H 0 F 1 R 0

USE OF MATERIAL: Insulation, Gasket and Padding

DATE PREPARED: 04/28/2008

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</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>EU</u> <u>Classification</u>
Alumina Trihydrate	21645-51-2	244-492-7	<20	15 mg/m ³ (Dust)	10 mg/m ³ (as AL)	NC
Titanium Oxide	13463-67-7	236-675-5	<5	15 mg/m ³ (Dust)	10 mg/m ³ (Dust)	NC
Carbon Black (in black material)	1333-86-4	215-609-9	<1	3.5 mg/m ³	3.5 mg/m ³	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.

3. HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE: None are expected with normal handling. Cutting and other finish operations may create polyurethane dust. Ventilation and personal protection should be similar to all operations generating nuisance dust. IARC has listed carbon black as a Class 2B suspected human carcinogen based on tests with laboratory animals.

INHALATION: Remove to fresh air and seek medical attention if necessary.

EYE CONTACT: Flush eyes with water and seek medical attention in necessary.

SKIN CONTACT: 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 water and soap and obtain medical attention if irritation persists.
SKIN CONTACT:	Wash thoroughly with soap and water and obtain medical attention if symptoms persist.
INGESTION:	NA

5. FIRE-FIGHTING MEASURES

FLASH POINT:	NA	Flammable Limits:	LEL	NE	UEL	
AUTOIGNITION TEMPERATURE:	NA					
EXTINGUISHING MEDIA:	<input checked="" type="checkbox"/> Water Spray <input checked="" type="checkbox"/> Dry Chemical	<input checked="" type="checkbox"/> Foam <input type="checkbox"/> Other	<input checked="" type="checkbox"/> 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 container tightly closed 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 operation.
GENERAL:	Recommended as with 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:	Solid, Cellular Urethane Foam Roll or Sheet (Various Colors Available)
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 X UNSTABLE

CONDITIONS TO AVOID:	NA
MATERIALS TO AVOID:	NA
HAZARDOUS POLYMERIZATION:	<u> </u> May Occur <u> X </u> 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

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

UN NUMBER:	Not Regulated
UN PROPER SHIPPING NAME:	Not Regulated
HAZARD CLASS (ES):	Not Regulated
PACKING GROUP:	Not Regulated
ENVIRONMENTAL HAZARDS:	Not Regulated

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS:

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

European:	Not Classified
R-Phase(s):	Not Classified
S-Phase(s):	Not Classified

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

CERCLA
(Comprehensive Emergency Response,
Compensation, and Liability Act): NA

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>
NA	NA	NA

16. OTHER INFORMATION

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

FILE:	Poron Performance Urethanes.doc
	99103
PREPARED BY:	Michal Werbecki
REVIEWED BY:	Frances Walsh

Updates: Updated for Transportation information and Section 2 Chemical ingredients. 9/05/06

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