

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: PORON® XRD Urethanes

CHEMICAL FAMILY: Urethane Polymer

HMIS RATING: H 0 F 1 R 0

USE OF MATERIAL: Insulation, Gasket and Padding

DATE PREPARED: 7/3/08

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 Classification</u>
Alumina Trihydrate	21645-51-2	244-492-7	<20	15 mg/m ³ (Dust)	10 mg/m ³ (as AL)	Not classified under 67/548/EC

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 do not present a health or environmental hazard according to directive 67/548/EC.

3. 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. Ventilation and personnel protection should be similar to all operations generating nuisance dust.

INHALATION: Irritation may occur due to dust generation.

EYE CONTACT: Irritation may occur due to dust generation.

SKIN CONTACT: Irritation may occur.

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 and soap and water and obtain medical attention if symptoms persist.
INGESTION:	NA

5. FIRE-FIGHTING MEASURES

FLASH POINT:	NA	Flammable Limits:	LEL	NE	UEL	NE
AUTOIGNITION TEMPERATURE:	NA					
EXTINGUISHING MEDIA:	<u>X</u> Water Spray	<u>X</u> Foam	<u>X</u> CO ₂			
	<u>X</u> Dry Chemical	Other				
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:	NE
PHYSICAL STATE:	Solid
BOILING POINT:	NA
MELTING POINT:	NE
FREEZING POINT:	NE
WATER SOLUBILITY:	NE
VAPOR PRESSURE:	NA
SPECIFIC GRAVITY:	NE
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:	☐ May Occur ☒ 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.

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):	Does not contain any intentionally added substances mentioned by the RoHS directive.

European: Not classified according to directive 67/548/EEC (dangerous substances) and 1999/45/EC (dangerous preparations).

R-Phase(s): NA
S-Phase(s): NA

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 the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CAS #
NA

CHEMICAL NAME
NA

PERCENT BY WEIGHT
NA