



PRODUCT SAFETY INFORMATION SHEET

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

TRADE NAME: PORON Microcellular Polyurethane Material
4790-92

CHEMICAL FAMILY: Urethane Polymer

HMIS RATING: H 1 F 1 R 0

USE OF ARTICLE: Insulation, Gasket and Padding

DATE ISSUED: July 29, 2011

COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation
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2. 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>	<u>EU Classification</u>
Alumina Trihydrate	21645-51-2	244-492-7	<20	15 mg/m ³ (Total Dust)	10 mg/m ³ (as AL)	NE	Not Classified Under 67/548/EC
Titanium Oxide	13463-67-7	236-675-5	<1	5 mg/m ³ (Resp.)	3 mg/m ³ (Resp.)	NE	NC According to 67/548/EEC
Carbon Black	1333-86-4	215-609-9	<1	3.5 mg/m ³	3.5 mg/m ³	NE	NC According to 67/548/EEC

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.
IARC has listed carbon black as a Class 2B suspected human carcinogen based on tests with laboratory animals.

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 irritation. Wash thoroughly with soap and water.
 INGESTION: None known.
 CHRONIC: IARC has listed carbon black as a Class 2B suspected human carcinogen based on tests with laboratory animals.

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: X Water Spray X Foam X CO₂
X Dry Chemical X 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: None known.

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.

VENTILATION

LOCAL:

Recommended for all industrial operations.

GENERAL:

Recommended for all industrial operations.

PERSONAL PROTECTION

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 °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 X UNSTABLE _____

CONDITIONS TO AVOID:

NE

MATERIALS TO AVOID:

NE

HAZARDOUS POLYMERIZATION:

_____ May Occur

X Does Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO₂, Oxides of nitrogen, HCN, and traces of incompletely burned carbon compounds.

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS:

IARC has listed carbon black as a Class 2B suspected human carcinogen based on tests with laboratory animals.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

NA

13. DISPOSAL CONSIDERATION

PHYSICAL/CHEMICAL PROPERTIES

None

AFFECTING DISPOSAL:

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
China (SEPA): Article - exempt
EU Directive 2002/95/EC (RoHS): Does not contain any intentionally added substances mentioned by the RoHS directive.

European:
Symbol: Not classified according to directive 1999/45/EC (dangerous preparations).
R-Phase(s): NA
S-Phase(s): NA
TSCA: All materials are listed or exempt from TSCA listing.
(Toxic Substances Control Act):
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:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
NA	NA	NA

16. OTHER INFORMATION

NA = Not Applicable

FILE: 99096 PORON Microcellular Polyurethane 4790-92
PSIS 07292011.doc

NE = Not Established

NC = Not Classified

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Date Prepared: 07/29/2011

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