



# PRODUCT SAFETY INFORMATION SHEET

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

TRADE NAME: XRD Impact  
CHEMICAL FAMILY: Urethane Polymer  
HMIS RATING: H 0 F 1 R 0  
USE OF ARTICLE: Various impact padding applications  
DATE ISSUED: March 24, 2017  
COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation  
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Woodstock, CT 06281  
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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

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: 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: NE

## 3. HAZARDS IDENTIFICATION

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>
Alumina Trihydrate	21645-51-2	244-492-7	<20	15 mg/m <sup>3</sup> (Total Dust)	10 mg/m <sup>3</sup> (as AL)	NE
Silica, amorphous, diatomaceous earth	68855-54-9	272-489-0	<1	NE	NE	NE

Carbon Black ( in black material)      1333-86-4      215-609-9      <1      3.5 mg/m<sub>3</sub>      3.5 mg/m<sub>3</sub>      NE

#### 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 CO<sub>2</sub>  
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: 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. 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  UNSTABLE

CONDITIONS TO AVOID:	NE
MATERIALS TO AVOID:	NE
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  
China (IESCS) Article - exempt  
EU Directive 2011/65/EC (RoHS): Does not contain any intentionally added substances mentioned by the RoHS directive.

### European:

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:

**CAS #**

NA

**CHEMICAL NAME**

NA

**PERCENT BY WEIGHT**

NA

## 16. OTHER INFORMATION

NA = Not Applicable

NE = Not Established

NC = Not Classified

FILE: 99230- XRD Impact PSIS-03242017.doc

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