



# PRODUCT SAFETY INFORMATION SHEET

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

TRADE NAME: XRDMA-15500-ALPY2MID-(5DC/3G)-04  
CHEMICAL FAMILY: Urethane Polymer  
HMIS RATING: H 0 F 1 R 0  
USE OF ARTICLE:  
DATE ISSUED: November 13, 2017  
COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation  
245 Woodstock Road  
Woodstock, CT 06281  
Phone: 001-860-928-3622  
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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. 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: IARC has listed carbon black as a Class 2B suspected human carcinogen based on tests with laboratory animals.

## 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>	<u>EU Classification</u>
Polyurethane Foam	NA	NA	>80%	NE	NE	NE	Not Classified Under 67/548/EC

Alumina Trihydrate	21645-51-2	244-492-7	<4	15 mg/m <sup>3</sup> (Total Dust)	10 mg/ m <sup>3</sup> (as AL)	NE	Not Classified Under 67/548/EC
Copper	7440-50-8	231-159-6	<4	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	NE	Not Classified Under 67/548/EC
Carbon Fiber	7440-44-0	231-153-3	<2	15 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp.) TWA			
Carbon Black	1333-86-4	215-609-9	<1	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>	NE	Not Classified Under 67/548/EC

#### 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:	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	<u>NA</u>	UEL	<u>NA</u>
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 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.
<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:	Solid, Cellular Urethane Foam Roll or Sheet
ODOR:	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  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:	IARC has listed carbon black as a Class 2B suspected human carcinogen based on tests with laboratory animals.
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## 12. ECOLOGICAL INFORMATION

ECOTOXICITY:	NA
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### 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 (IECSC): 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:

<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: 99528 XRDMA 15500-ALPY2MID PSIS GHS 11132017.doc  
PREPARED BY: EHS Department  
REVIEWED BY: Michal Werbecki

Date Prepared: 11/13/2017

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