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## SAFETY DATA SHEET

Product : Robco 4730 Microcellular Urethane

Date Prepared : July 11th, 2017

### Section 1 - Product and Company Identification

Product Name/Identifier : Robco 4730 Microcellular Urethane

Company Information : Robco Inc.

Address : 7200 St.Patrick, LaSalle QC Canada H8N 2W7

Telephone : 514-367-2252

Email : info@robco.com

Website : www.robco.com

### Section 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.

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.

### Section 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. This form is provided as a convenience to our customers



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Chemical Name	CAS No.	EINECS/ELINCS	%	OSHA PEL	ACGIH TLV	China OEL	EU Classification
Alumina Trihydrate	21645-51-2	244-492-7	<20	15 mg/m3 (Total Dust)	10 mg/m3 (AS AL)	NE	Not Classified Under 67/548/EC
Titanium Oxide	13463-67-7	236-675-5	<5	15 mg/m3 (Resp.)	10 mg/m3 (Resp.)	NE	NC According to 67/548/EEC
Carbon Black (In Black Material)	1333-86-4	215-609-9	<1	3.5 mg/m3	3.5 mg/m3	NE	NC According to 67/548/EEC
Fused Silica	7631-86-9	231-545-4	<1	5 mg/m3 (Resp.)	3 mg/m3	NE	NC According to 67/548/EEC
PET	Proprietary	Proprietary	Various	NE	NE	NE	Not Classified Under 67/548/EC

### Section 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

### Section 5 - Firefighting measures

**FLASH POINT:** NA°C (F) **Flammable Limits:** LEL- NE UEL- NE

**AUTOIGNITION TEMPERATURE:** NA°C (F)

**EXTINGUISHING MEDIA:** Water Spray, Foam, CO2, Dry Chemical

**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.

### Section 6 - Accidental release measures

**Personal precautions:** None needed

**Environmental precautions:** None needed



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### Methods for cleaning up:

Sweep or shovel into appropriate container for disposal. Avoid creation of nuisance dust

### Section 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.

### Section 8 - Exposure controls/personal protection

**RESPIRATORY PROTECTION:** None needed.

#### VENTILATION

**LOCAL:** Recommended in cutting/finishing operations or hot wire cutting operation.

**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.

### Section 9 - Physical and chemical properties

<b>APPEARANCE:</b>	Solid, Cellular Urethane Foam Roll or Sheet (Various Colors Available)
<b>ODOR:</b>	Slight Odor
<b>PHYSICAL STATE:</b>	Solid
<b>BOILING POINT:</b>	NA °C (°F)
<b>MELTING POINT:</b>	NE °C (°F)
<b>FREEZING POINT:</b>	NA °C (°F)
<b>FLASH POINT:</b>	NE °C (°F)
<b>WATER SOLUBILITY:</b>	None
<b>VAPOR DENSITY:</b>	NA
<b>VAPOR PRESSURE:</b>	NA
<b>SPECIFIC GRAVITY:</b>	0.2-0.53 (Water = 1)
<b>PARTITION COEFFICIENT:</b>	NA
<b>EVAPORATION RATE:</b>	NA
<b>RELATIVE DENSITY:</b>	NA
<b>VISCOSITY:</b>	NA
<b>AUTO-IGNITION TEMPERATURE:</b>	NA °C (°F)



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**DECOMPOSITION TEMPERATURE:** NA °C (°F)  
**PH:** NA  
**FLAMMABILITY:** NA

### Section 10 - Stability and reactivity

**STABILITY :** STABLE

**CONDITIONS TO AVOID :** NE

**MATERIAL TO AVOID :** NE

**HAZARDOUS POLYMERIZATION :** May occur

**HAZARDOUS DECOMPOSITION :**

CO, CO<sub>2</sub>, Oxides of nitrogen, HCN, and traces of incompletely burned carbon

**PROUCTS :** compounds

### Section 11 - Toxicological Information

**CARCINOGENIC STATUS :**

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

### Section 12 - Ecological information

**ECOTOXICITY :** NA

### Section 13 - Disposal considerations

**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.

### Section 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



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### Section 15 - Regulatory information

#### INTERNATIONAL REGULATIONS:

Canadian (DSL/NDSL) : NA

Australian (ACIS) : NA

Korea (KECI) : NA

Japan (ENCS, MITI) : NA

China (SEPA) : Article - exempt

**REACH Directive:** Material is Classified as an Article

#### EU Directive 2011/65/EC (RoHS):

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

#### European Symbol :

Not classified according to directive 1999/45/EC & 2001/60/EC (dangerous preparations).

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

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

#### TSCA (Toxic Substances Control Act):

All materials are listed or exempt from TSCA listing.

**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



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## **SAFETY DATA SHEET**

### **Section 16 - Other information**

**NA** = Not Applicable

**NE** = Not Established

**NC** = Not Classified

**Disclaimer :**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, storage, transportation and release and is not considered a warranty or quality specification. The responsibility for the compliance with existing law and regulations lies with the receiver of the product.