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## SAFETY DATA SHEET

Product : KLINGERSil C-4439

Date Prepared : May 9th, 2017

### Section 1 - Product and Company Identification

Product Name/Identifier : KLINGERSil C-4439  
Other name / Synonym :  
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

**Identification of danger:** In its form as supplied, no hazards known.

### Section 3 - Composition/information on ingredients

Material contents Ingredient	CAS#	Percent by weight	OSHA PEL (mg/m <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )
Calcium Silicate	13983-17-0	20-50	15	10
Kaolin	1332-58-7	0-20	5	2
Calcined Kaolin	92704-41-1	5-10	5	2
Silicon dioxide	112926-00-8	<5-10	NA	NA
Aramid-fibres	26125-61-1	<5-30	NA	NA

Danger classification not necessary as no dangers are known based on the level of knowledge at the present time.

### Section 4 - First aid measures

**After inhaling:** Not applicable (accordingly see point 6)  
**After skin contact:** Not applicable (accordingly see point 6)  
**After eye contact:** Remove small solid particles and rinse with water approx. 10 min. If provoking continues, a doctor must be consulted.  
**After swallowing:** No measures necessarily.  
**Note for the doctor:** N/A.

### Section 5 - Firefighting measures

**Suitable extinguishing agent:** Water, carbon dioxide, powder extinguishers, foam extinguishers.  
**Extinguishing agents which is unsuitable for safety reasons:** Not known.

**Special dangers through the material or the preparation itself, its combustion products or resulting gases:** In the case of combustion, the same gases are produced as with burning rubber. Heavy carbon black formation.

**The following can be produced in case of fire:** Carbon monoxide, carbon dioxide, sulphur oxides and nitrous gases (NO<sub>x</sub>), irritating/caustic, combustible as well as poisonous carbonisation gases.

**Special protective equipment:** When Firefighting, breathing apparatus and eye protection have to be worn against dust and fumes and burning rubber.

**Additional note:** There is the danger of the rubber re-igniting. For this reason, additional cooling after extinguishing is necessary.

### Section 6 - Accidental release measures

**Precautionary measures related to persons:** Avoid dust formation

**Environmental protection measures:** No dangers known.

**Procedure for cleaning:** Use of approved HEPA vacuum cleaners with fine dust filters.

#### Measures in Case of Unintentional exceeding Dust Release

**General Note:** In case of improper use and use which is not in compliance with stipulations e.g. grinding might cause an exceeding amount of fine dust. In this case apply protective respiratory equipment meeting MSHA/NIOSH standards.

**After Inhaling:** Bring to fresh air.

**After skin contact:** Washing with soap

### Section 7 - Handling and storage

#### Handling

Notes on safe handling: Measures for the avoidance of strong dust formation.

Notes on protection against fire and explosion: Material is flammable only through effects of an external flame.

#### Storage

Requirements on storage rooms and containers: Dry storage rooms. Material should not be stored in the vicinity of heating source as it can become brittle and no longer usable in accordance with stipulations. Avoid storing in direct sunlight for prolonged periods.

Notes on storing together with other products: No restrictions or dangers known.

### Section 8 - Exposure controls/personal protection

#### Exposure References

See point 7; no further measures necessarily

**Personal Protective Equipment for processing**

Breathing protection: in case of high fine dust concentrations use personal protective equipment (e.g. fine –dust respirator acc. MSHA/NIOSH standards ).

Hand protection: Gloves

Body protection: Overall

**Section 9 - Physical and chemical properties****Appearance**

Form: firm sheets

Color: Red sheet

Odor: slight rubber smell

Cut edge: whitish

**Safety-related data****Value/Range**

Change in state

not known

Boiling point/Boiling range:

n.a.

Melting point/Melting range:

n.a.

Decomposition of elastomer:

over 300°C

Flash point:

not known

pH-Wert:

n.a.

Ignitability of solid material:

not known

Ignition temperature

not known

Self-igniting solid material:

Not self-igniting

Fire-promoting properties:

self-burning

Danger of explosion

None

Explosion limits:

n.a.

Vapour pressure:

n.a.

Density:

1,59 g/cm<sup>3</sup> (at 25°C)

Solubility in water/grease:

insoluble

**Section 10 - Stability and reactivity**

**Conditions to be avoided:** temperatures >450°C

**Materials to be avoided:** Not known

**Dangerous decomposition products:** hydrogen cyanide

**The following can result in case of fire:** Carbon monoxide, carbon dioxide, sulphur oxides and nitrous gases (NOx), irritating/caustic, combustible as well as poisonous carbonisation gases.

The product is stable under standard usage conditions.

## Section 11 - Toxicological Information

In the case of intended use no toxicological effects are known.

## Section 12 - Ecological information

### Information on elimination (Persistency and degradability)

Degree of elimination: not known

Persistency: As composite material biologically not degradable (self-classification)

### Mobility and (bio) accumulation potential:

water insoluble, fat insoluble, no in vivo resorption, bonding or accumulation known

### Ecotoxicological Effects

Not known

## Section 13 - Disposal considerations

### Product

Recommendation: combustion by a certified recycling company.

Product contains  $\geq 3\%$  organic carbon.

### Contaminated Packaging

Recommendation: Disposal in accordance with the national regulations.

## Section 14 - Transport information

No dangers known.

## Section 15 - Regulatory information

Regulations for dangerous material not applicable.

The product covered by this safety information is classified as an article according to regulation (EG) Nr. 1907/2006 (REACH). In compliance with REACH regulation it is not mandatory to issue material safety data sheets for articles.

Duty to communicate information according to regulation (EG) Nr.1907/2006 (REACH):

The article covered by the present safety data sheet does not contain any substance of very high concern by the candidate list to be included in Annex XIV of REACH exceeding the limit of 0,1% (w/w).

Material conforms to the definitions and restrictions given by the European Parliament Directive 2002/95/EC (RoHS) and the Council of January 27, 2003 and European Parliament Directive 2011/65/EU (RoHS 2) and the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

## Section 16 - Other information

The data rely on the present conditions of the knowledge and experiences and serve to describe the product regarding safety precautions which can be met. They do not represent a warranty of the product described by characteristics.



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## **SAFETY DATA SHEET**

**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.