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SAFETY DATA SHEET

Product : **KLINGER Top-Sil-ML1**
Date Prepared : May 9th, 2017

Section 1 - Product and Company Identification

Product Name/Identifier : KLINGER Top-Sil-ML1
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^3)	ACGIH TLV (mg/m^3)
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 (NOx), 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: Yellow 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^3 (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 ≥ 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.

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.