

Safety Data Sheet

Safety Data Sheet according to (EC) No 1907/2006

Revision Date: 06.03.2019

Kerafix® Flexlit 11731-014

Section 1: Identification of the product and the company's undertaking

Product Identifier

Kerafix® Flexlit

Relevant Uses of the Product

Uses of the product are as Structural fire protection.

Details of the supplier of the Safety Data Sheet

Company name: C H Materials Ltd
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Caton Road
Lancaster
LA1 3QY
Telephone: 01524 406088
Email: info@chmaterials.com
Website: www.chmaterials.com

Section 2: Hazards

Classification of the Product

This product is not classified as hazardous according to Regulation (EC) No 1272/2008.

Labelling

According to Regulation (EC) No 1272/2008 this product is restricted to professional users when using special labelling

Other hazards

This product contains alumino silicate wool (RCF/ASW). A carcinogenic effect cannot be ruled out if RCF/ASW dust is inhaled. Avoid the formation of dust.

Do not rub eyes. This product contains inorganic fillers which irritate the eyes. Wear appropriate personal protective equipment.

Section 3: Composition and information on ingredients

Chemical characterisation

The product contains Acryl polymer, Vermiculite, and Refractory Ceramic Fibres (RCF).

Hazardous components

Cas No	Chemical Name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
142844-00-6	Aluminium silicate, fibers, refractories			15-40%
	604-314-4		01-2119458050-50	
	Carc. 1B; H350i			

Section 4: First Aid Measures

Description of first aid measures

The first aid measures refer to the contact with dust arising during the processing of the product eg sawing, drilling, and grinding.

Do not breathe dust. In case of inhaling dust (possibly caused by abrasion) the affected person should be moved into fresh air. In case of sickness seek medical advice.

After contact with skin, remove and wash contaminated clothes before re-use. Wash off immediately with soap and plenty of water. Consult a doctor if skin irritation persists.

After contact with eyes do not rub eyes. This product contains inorganic fillers which irritate the eyes. Remove contact lenses and rinse eyes and under the eyelids thoroughly with water and consult a doctor immediately.

After ingestion, rinse out the mouth and drink plenty of water. Do not induce vomiting. Consult a doctor immediately.

Symptoms and effects

Possible symptoms are the irritation of skin and the eyes. Inhalation of high dust concentrations can result in irritation of the respiratory system. Ingestion causes irritation to the respiratory system and gastrointestinal disturbance. May cause damage to organs. Chronic inhalation of aluminium dust or aluminium vapour respectively can lead to aluminosis which results from the protein denaturing properties of aluminium.

Also, see Section 11.

Immediate medical attention and special treatment required

Not applicable

Section 5: Firefighting Measures

Extinguishing

This product itself does not burn. Use fire extinguishing methods in accordance to the surroundings.

There are no special hazards associated with this product.

Firefighters are advised to wear protective equipment in accordance with the conditions.

This product itself does not burn.

Section 6: Accident Precautions

Avoid dust formation. Do not breathe dust. Use breathing apparatus if exposed to dust.

Dispose of this product in closed containers. Do not discharge into drains, surface water or ground water.

When cleaning up, dispose the product into a suitable container, avoiding the disperse of dust. Avoid the use of compressed air and sweeping. Caution; motors can act as ignition sources and cause combustible gases, vapours, or dust from the environment to ignite or explode.

See Section 8 for information on personal protective equipment.

Section 7: Handling and Storage

Safe handling

Ensure there is adequate ventilation especially in confined areas and avoid the formation of dust. For industrial or professional use only. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Do not get in eyes, on skin or on clothing. Do not use whilst eating, drinking or smoking. Wash hands after handling the product. Use personal protection equipment.

There are no specific fire preventions necessary but note the general rules of internal fire prevention. Take the usual precautions when handling chemicals. Wash hands before breaks and at the end of the working day. Keep away from food, drink, and animal feed. Remove and wash contaminated clothes before re-use. Do not leave to dry.

Safe storage

Protect against physical damage of the product. Open the container in the presence of local exhaust ventilation. Provide appropriate ventilation and exhaust ventilation at the workplace. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Do not store with acids or with food.

Protect against heat, direct sunlight, freezing and moisture. Keep tightly closed in a cool and dry place.

End Use

Uses of the product are as Structural fire protection.

Section 8: Exposure controls and personal protection

Control parameters

Exposure limits (EH40)

CAS No	Substance	Ppm	Mg/m ³	Fibres/ml	Category	Origin
7429-90-5	Aluminium metal, respirable dust	-	4		TWA (8h)	WEL

Exposure

Technical and organisational measures must be applied.

Ensure there is adequate ventilation especially in confined areas and avoid the formation of dust.

Personal protection

Take the usual precautions when handling chemicals. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Remove and wash contaminated clothes before re-use.

Eye and face protection

Tightly fitting goggles (EN166)

Eye wash bottle with pure water (EN15154)

Hand protection

Not required

Respiratory protection

Breathing apparatus (particle filter P2) only if dust is formed.

Section 9: Physical and chemical properties

Basic physical and chemical properties

Physical state: Solid material (with and without aluminium)

Colour: Grey

Odour: Odourless

pH Value: Not applicable

Changes to the physical state

Melting point: Not applicable ANSI/ASTM D3451-76

Initial boiling point and boiling rate: Not applicable

Sublimation point: Not applicable

Flash Point: Not applicable

Sustaining combustion: Not sustaining combustion

Flammability

Solid: Not applicable

Explosive properties

This product is not explosive

Lower explosion limits:	Not applicable
Upper explosion limits:	Not applicable
Ignition temperature:	Not applicable
Decomposition temperature:	Not determined

Oxidising properties

This product is not self-igniting

Vapour pressure:	Not applicable
Vapour Density:	Not applicable
Density (at 20°C):	0.625 g/cm ³
Solubility in other solvents:	Not determined
Viscosity / dynamic (at 20°C)	Not applicable
Viscosity / kinematic	Not applicable

Section 10: Stability and reactivity

The product is chemically stable.

The product is stable under normal conditions.

There are no hazardous reactions known. Hazardous polymerisation will not occur.

Hazardous decomposition products are hydrocarbons, carbon dioxide (CO₂) and carbon monoxide (CO).

Section 11: Toxicology

Toxicokinetic, metabolism and distribution

No toxicological data available

Acute toxicity

Based on available data, the classification criteria were not met.

Irritation and corrosivity

Based on available data, the classification criteria were not met.

Breathing dust and fibres may cause temporary irritation to the mouth, nose, and throat. Ingestion of dust and fibres may cause temporary irritation to the digestive system. Prolonged contact may irritate skin. Do not rub eyes. This product contains inorganic fillers which irritate the eyes.

Sensitising effects

Based on available data, the classification criteria were not met.

STOT – single exposure

Based on available data, the classification criteria were not met.

Fibrosis (general) symptoms: Coughing, difficulty in breathing, blood congestion, feelings of oppression in the thoracic region and wheezing.

STOT – repeated exposure

Based on available data, the classification criteria were not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria were not met.

Carcinogenic, mutagenic, and toxic effects for reproduction

Based on available data, the classification criteria were not met.

Contains a chemical or chemicals which can cause cancer.

Aspiration hazard

Based on available data, the classification criteria were not met.

Further information

If handled appropriately and in accordance with the general hygienic rules, no damage to health have become known.

Section 12: Ecology

Toxicity

The product is chemically inert.

Biodegradability

No data available.

Bio accumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Section 13: Disposal considerations

Disposal

Dispose of this product in accordance with local regulations.

101103 WASTES FROM THERMAL PROCESSES; wastes from manufacture of glass and glass products; waste glass-based fibrous materials.

Empty containers should be taken for local recycling, recovery, or waste disposal.

Section 14: Transport

Land transport (ADR/RID); Marine transport (IMDG); Air transport (IATA)(ICAO); Inland waterways transport (ADN)

UN number

No dangerous goods as defined by the transport regulations.

UN proper shipping name

No dangerous goods as defined by the transport regulations.

Transport hazard class(es)

No dangerous goods as defined by the transport regulations.

Packing group

No dangerous goods as defined by the transport regulations.

Environmental hazards

Not environmentally hazardous

Special precautions for user

No dangerous goods as defined by the transport regulations.

Transport in bulk according to Annex II of MARPOL and the IBC code

No dangerous goods as defined by the transport regulations.

Section 15: Regulatory information

EU regulatory information

2004/42/EC (VOC): Not applicable

Not subject to 2012/18/EU (SEVESO III)

This product is not classified as dangerous in accordance to Regulation (EC) No 1272/2008.

National regulatory information

Water contaminating class (D): Not water contaminating

For this product, a chemical safety assessment is not required.

Section 16: Other information

Abbreviations and acronyms

ADR	Accord europeen relative au transport international des marchandises Dangereuses par Route
RID	Reglement concernant le transport international ferroviaire de marchandises dangereuses
ADN	Accord europeen relative au transport international des marchandises dangereuses par voie de navigation interieure
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
ICAO	International Civil Aviation Organisation
MARPOL	International Convention for the Prevention of Pollution from Ships
IBC	International code for the Construction and Equipment od Ships Carrying Dangerous Chemicals in Bulk
EN	European Norm
PBT	Persistent Bio-accumulative and Toxic
vPvB	Very Persistent and Very Bio- accumulative
H350i	May cause cancer by inhalation

Further information

Content of sections 4 to 8 and 10 to 12 do not relate to the application of the product but to the avoidance of accidents and irregularities.

The information is for the safety requirements of the product(s) and is based on the present level of our knowledge.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.