

Safety Data Sheet

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

Revision Date: 06.03.2019

Flammi 12 11731-008

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

Product Identifier

Flammi 12

Relevant Uses of the Product

Refractory material

Details of the supplier of the Safety Data Sheet

Company name: C H Materials Ltd
Address: 5-6 Lansil Way
Lansil Industrial Estate
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

This product does not require a hazard warning label in accordance with EC directives.

Other hazards

Do not rub eyes. This product contains inorganic fillers which irritate the eyes.

Section 3: Composition and information on ingredients

Chemical characterisation

The product contains a mixture of inorganic compounds. The product contains: Calcium silicate (natural wollastonite, 43-46%), Aluminium silicate (40-45%), Cellulose <10% and an organic binder.

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.

Also, see Section 11.

Immediate medical attention and special treatment required

No data available

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.

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. 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.

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

Refractory material

Section 8: Exposure controls and personal protection

Exposure Limits (EH40)

CAS No	Substance	ppm	Mg/m ³	Fibres/ml	Category	Origin
9004-34-6	Cellulose (pure), inhalable dust	-	10		TWA (8h)	WEL
		-	20		STEL (15min)	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

Protective gloves (EN374)

Glove material specification [make/type; thickness; permeation time/life; wetting resistance]: Butyl latex; 0.7mm; 480 min; 60 min.

Requirements can vary as a function of use; therefore, it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Skin protection

Wear closed and long working clothes

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
Colour:	Beige / Brown
Odour:	Odourless
pH Value:	8-10

Changes to the physical state

Melting point:	>1300°C
Initial boiling point and boiling rate:	Not determined
Sublimation point:	Not determined
Flash Point:	Not applicable
Sustaining combustion:	Not sustaining combustion

Flammability

Solid:	Not applicable
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Explosive Properties

The product is not explosive	
Lower explosion limits:	Not determined
Upper explosion limits:	Not determined
Ignition temperature:	Not applicable

Auto ignition temperature

Solid:	Not applicable
Decomposition temperature:	Not determined

Oxidising properties

The product is not self-igniting

Vapour pressure:	Not applicable
Density (at 20°C):	Not determined
Water solubility (at 20°C):	Immiscible
Solubility in other solvents:	Not determined
Partition coefficient:	Not applicable
Viscosity / dynamic (at 20°C):	Not determined
Viscosity / kinematic:	Not determined
Flow time:	Not applicable

Section 10: Stability and reactivity

There is no data available for the reactivity.

The product is stable under normal conditions. Above 150°C, a thermic decomposition may take place.

There is no data available for hazardous reactions.

There is no data available for the conditions to avoid.

There is no data available for incompatible materials.

There are no hazardous decomposition products known.

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.

When mechanically processing the product there may be dust particles formed, which may irritate the eyes. Repeated or prolonged exposure may cause irritation to the eyes and skin.

Sensitising effects

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

No sensitising effects known

Carcinogenic, mutagenic, and toxic effects for reproduction

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

STOT – single exposure

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

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.

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

No data available

Biodegradability

Not readily degradable

Bio accumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

According to regulation (EC) No 1907/2006 (REACH) none of the substances contained in this product are a PBT substance

Section 13: Disposal considerations

Disposal

Dispose of this product in accordance with local regulations.

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): 0%

Not subject to 2012/18/EC (Seveso III)

National regulatory information

Water contaminating class (D): 1- slightly water contaminating

Chemical safety assessments for substances in this product were not carried out.

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
GHS	Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
MARPOL	International Convention for the Prevention of Pollution from Ships
REACH	Registration, Evaluation, Authorisation, and restriction of Chemicals
IBC	International code for the Construction and Equipment od Ships Carrying Dangerous Chemicals in Bulk
CAS	Chemical Abstract Service
EN	European Norm
PBT	Persistent Bio-accumulative and Toxic
vPvB	Very Persistent and Very Bio- accumulative

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.