

PRODUCT SAFETY DATA SHEET

According to article 31 and Annex II of the EU REACH Regulation

FIRETAPE CERAMIC

Version No: 3

Revision Date: 01/08/13

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Trade Name	Firetape Ceramic
Use of the substance / preparation	Ceramic fibre paper with a self adhesive backing.
Manufacturer / Supplier	Hodgson Sealants (Holdings) Limited Belprin Road Beverley East Yorkshire, HU17 0LN United Kingdom
Service	Tel: + 44 (0)1482 868321 Fax: + 44 (0)1482 679337 E-mail: SDS@hodgsonsealants.com
Emergency Phone Number (UK Office Hours Only: 9am to 5pm)	Tel: + 44 (0)1482 868321

2. HAZARDS IDENTIFICATION

Irritant effect: Mild mechanical irritation to skin, eyes and upper respiratory system may result from exposure. These effects are usually temporary.
Chronic respiratory health effects: RCF's have been classified by the EU as a category 2 carcinogen ("substances which should be regarded as if they are carcinogenic to man"). The International Agency for Research on Cancer (IARC) reaffirmed that group 2B ("possibly carcinogenic to humans") remains the appropriate classification for RCF. Pre-existing skin and respiratory conditions including dermatitis, asthma or chronic lung disease, might be aggravated by exposure.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation	Alumino silicate vitreous fibres.				
Hazardous Ingredients					
Name	CAS No.	EC No.	Conc. (%w/w)	Classification & R phrases	
Alumino silicate fibres (RCF)	142844-00-6	266-046-0	70-91	T	R38, 49

4. FIRST AID MEASURES

Eye contact	Flush with water. Seek medical advice if irritation persists. Immediately flush with plenty of water for 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.
Skin contact	Wipe off and wash with soap and water. Seek medical advice if irritation persists.
Inhalation	Remove to fresh air. Get medical attention if any discomfort continues.
Ingestion	Get medical attention if any discomfort continues.

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5. FIRE FIGHTING MEASURES

This product is flammable with a flash point of 50°C

Suitable extinguishing media

Carbon dioxide, foam, dry powder or fine water spray. Water can be used to cool containers exposed to fire.

Unsuitable extinguishing media

None known.

Special protective equipment / procedures

A self-contained respirator and protective clothing should be worn. Keep containers cool with water spray until well after fire is out. Determine the need to evacuate or isolate the area according to your local emergency plan.

Special exposure hazards arising from the substance or preparation itself, combustion products and resulting gases

Carbon oxides and traces of incompletely burned carbon compounds.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear proper protective equipment. Any excess dust should be allowed to settle then vacuumed, using a High Efficiency Filter (HEPA). Do not brush. Do not use compressed air to clean.

Precautions to protect the environment

Prevent material from entering surface waters, drains and soil.

Methods for cleaning up

Scrape up and place in a container fitted with a lid. Absorb larger spillages with sawdust, sand or earth.

7. HANDLING AND STORAGE

Advice on safe handling

Keep dust generation to a minimum by keeping product in its sealed packaging until required for use.

Advice on storage

Store in a dry, cool allocated area. Keep in original wrapping until required for use.

Unsuitable packaging materials

None known. Protect product against moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls for hazardous components

Name	CAS No.	Workplace Exposure Limits
Refractory ceramic fibres	142844-00-6	2.0 F/ml for an 8 hour TWA reference period. Time weighted average concentrations of airborne respirable ceramic fibres measured by the conventional membrane filter method.

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Personal protective equipment

Respiratory protection	Use appropriate respiratory protective equipment (RPE) against excessive concentrations of fibrous dust or other possible contaminant which could have been introduced
Hand protection	Use of gloves is recommended.
Eye protection	Avoid contact with eyes.
Skin protection	Wear overalls, which are loose fitting at neck and wrists. Wash work clothing separately. After handling rinse exposed skin with water.
Hygiene measures	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
Additional information	Workers shall be trained on applications involving fibre containing products. The potential risk to health resulting from exposure to fibrous dust. The requirements regarding smoking, eating and drinking at the workplace. The requirements for protective equipment and clothing. The good working practice to limit dust emissions. The proper use of protective equipment.
Environmental exposure controls	Refer to section 6 & 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid
Melting Point	1260°C
Odour	None.
Specific Gravity	0.3g/cm ³

The above information is not intended for use in preparing product specifications.

10. STABILITY AND REACTIVITY

General information	Stable at room temperature.
Conditions to avoid	None established.
Materials to avoid	None established.
Hazardous decomposition	During combustion carbon monoxide, carbon dioxide and hydrocarbons will be generated.

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11. TOXICOLOGICAL INFORMATION

On contact with eyes	May cause smarting and irritation.
On skin contact	All man made mineral fibres, like some natural fibres, can produce a mild irritation resulting in itching or rarely, in some sensitive individuals, in a slight reddening. Unlike other irritant reactions this is not the result of allergy or chemical skin damage but is caused by mechanical effects.
On inhalation	In 1990 inhalation studies known as the 'RCC experiments' were conducted with size selected fibres. Fibrosis, lung tumors and mesotheliomas were produced in animals exposed to very high concentrations. It was then discovered that the size selection process led to a serious contamination of the test samples by non-fibrous particles. The inhaled particles may have decreased the rate of fibre clearance leading to a condition sometimes referred to as pulmonary overload. Experts are still analysing the significance of the RCC results. In further tests, uncontaminated fibres samples have proved to be largely less biologically active.
On ingestion	No known disease associated with exposure to refractory ceramic fibre even though these fibres have been used for nearly 40 years. Pulmonary morbidity studies were carried out among production workers in Europe and USA. In the American study pleural plaques were reported in 2.9% of workers examined. Plaques do not cause any symptoms and do not develop into disease.
Other health hazard information	None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	Low aquatic and terrestrial ecotoxicity. Product should not be allowed into drains or watercourses.
Environmental fate and distribution	These products are inert materials which remain stable over the time.

13. DISPOSAL CONSIDERATIONS

Product disposal	RCF is categorised as a stable non-reactive hazardous waste, which can generally be disposed of as landfill, which has been licensed for this purpose. Please refer to the European list (Directive no 2000/532/CE as modified) to identify your appropriate waste number, and insure national and/or regional regulations are complied with.
Packaging disposal	RCF is categorised as a stable non-reactive hazardous waste, which can generally be disposed of as landfill, which has been licensed for this purpose. Please refer to the European list (Directive no 2000/532/CE as modified) to identify your appropriate waste number, and insure national and/or regional regulations are complied with.

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14. TRANSPORT INFORMATION

Road / Rail (ADR/RID)	Not subject to ADR/RID.
Sea transport (IMDG)	Not subject to IMDG code.
Air transport (ICAO)	Not subject to ICAO regulations.

15. REGULATORY INFORMATION

Labelling according to EEC directive	
Nature of hazard	Carcinogen Category 2 : Irritant
Hazard symbols	T, Xi
R-phrases	R38 Irritating to skin R49 May cause cancer by inhalation
S-phrases	S45 In case of accident or if unwell, seek medical advice. S53 Avoid exposure – obtain special instructions before use.
Other Phrases	EU Index Number 650-017-00-8 Fibre Definition: According to Directive 97/69/EC fibres contained in this product belong to a group of 'man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkaline earth oxide (Na ₂ O + K ₂ O + CaO + MgO + BaO) content less or equal to 18% by weight.

16. OTHER INFORMATION

This Product Safety Data Sheet was prepared in compliance with article 31 and Annex II of the EU REACH regulation as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

This product should only be used as stated in Hodgson literature. It is the responsibility of the persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose of or in any way come in to contact with the product. If the recipient subsequently produces a formulation containing the Hodgson product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Hodgson Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH regulation.

All information and instructions provided in the Product Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on the present Product Safety Data Sheet. Hodgson shall not be held responsible for any defect in the product covered by this Product Safety Data Sheet, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.