

FLOPLAST THERMAL FIRE PIPE SLEEVE

COSHH Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY.

1.1 CHEMICAL PRODUCT. FloPlast Thermal Fire Pipe Sleeve

1.2 APPLICATION. Expands when heated. Used mainly in fire protection as a fire stopper.

1.3 COMPANY IDENTIFICATION. **FloPlast Limited.**

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1.4 EMERGENCY TELEPHONE NUMBER 01795 431731

2. COMPOSITION / INFORMATION ON INGREDIENTS

2.1 CHEMICAL DESCRIPTION.

Exonerated mineral fibre and organic fibre with intercalated graphite and organic binder (Latex) plus a small amount of clay. When handling the products, fibrous dusts are released. Because of their high bio solubility, these fibrous dusts are not classified as carcinogenic category 1, 2 or 3 (Suspected carcinogenic potential)

2.2 HAZARDOUS INGREDIENTS.

INGREDIENT	CAS NO	WT%
Colloidal Silica	7631-86-9 10	10
Ball Clay (Quartz)	14808-60-7 21/2	2.5

3. HAZARD IDENTIFICATION

Contains respirable fibres. Can cause skin irritation. High dust levels may irritate the throat and eyes.

4. FIRST AID MEASURES

4.1 EYE CONTACT.

Gently irrigate with clean water for at least 15 minutes. Move eyeball and keep eyelids wide open and apart whilst irrigating. Obtain medical attention immediately.

4.2 SKIN CONTACT

If possible vacuum excessive dust from clothes as well as skin, hair etc. Wash and clean contaminated skin with soap and clean water.

4.3 INGESTION

Is not normally considered that mineral fibre products will be ingested, but if small quantities are ingested seek medical advice.

4.4 INHALATION

Avoid breathing dust. If breathing difficulties experienced whilst machining, remove to fresh air and seek medical advice.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Is not flammable therefore not applicable

5.2 FIRE AND EXPLOSION HAZARDS

Not applicable

5.3 PROTECTION MEASURES

Not applicable

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS

Protective clothing should be provided for workers when significant quantities of fibres are liable to be deposited on their clothing. Clothes should be cleaned by a suitable organisation.

6.2 ENVIRONMENTAL PRECAUTIONS

Dust from mineral fibre products should be removed by vacuum, in a direction away from the operator, at frequent intervals during work to prevent the accumulation of dust.

Where vacuuming is not possible then the dust must be dampened and collected whilst still damp. All dust and hard waste should be placed in double impermeable, heavy gauge polythene sacks or bags which should then be sealed. Such waste must be disposed of at an authorised waste disposal site. Off-cuts should be disposed of in the same manner.

6.3 CLEANING UP

See section 6.2. Industrial type vacuum cleaners fitted with ‘H’ type filters and suitable bags must be used.

7. STORAGE AND HANDLING

7.1 STORAGE

Both machined or unmachined items should be packed to prevent movement and abrasion during transit and absorption of water. Otherwise normal safe precautions for handling can be employed. To avoid damage and distortion, store on a smooth level foundation.

7.2 RECOMMENDED SHELF LIFE

Likely to be indefinite under normal storage conditions.

7.3 HANDLING

All machining will create dust, a proportion of which may be in the form of respirable fibres. Where the amount of dust produced is likely to exceed the control limit, approved extraction equipment must be used and if this is not adequate, approved dust respirators used in the vicinity. A small proportion of personnel may be sensitive to the dust and develop a skin irritation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL	MEL/OES LIMITS
Colloidal Silica	2.4 f/ml Respirable 6 mg/m ³ inhalable (OES)
Exonerated Mineral	5 mg/m ³ inhalable 2 f/ml 8 hour TWA (MEL)
Ball Clay (Quartz)	0.3 mg/m ³

8.2 ENGINEERING MEASURES LOCAL

Fit and use approved extraction systems. Ventilation for machining areas. If dust levels are likely to exceed action limit, approved respirators must be used.

8.3 PERSONAL PROTECTIVE EQUIPMENT

See 8.2

Hand protection – gloves can be used if desired but they should not be used with rotating equipment. Barrier cream can be used.

Eye protection – Use approved eye protection whilst machining.

Skin Protection – Not Applicable

9. PHYSICAL / CHEMICAL PROPERTIES

9.1 APPEARANCE. N/A

9.2 ODOUR. N/A

9.3 PH. N/A

9.4 VISCOSITY. N/A

9.5 FREEZING POINT. N/A

9.6 FREEZING THAW RECOVERY. N/A

9.7 BOILING POINT. N/A

9.8 MELTING POINT. N/A

9.9 FLASH POINT. N/A

9.10 AUTO-FLAMMABILITY. N/A

9.11 EXPLOSIVE PROPERTIES. N/A

9.12 VAPOUR PRESSURE. N/A

9.13 VAPOUR DENSITY. N/A

9.14 RELATIVE DENSITY. N/A

9.15 SOLUBILITY. Not soluble in water

9.16 PARTITION COEFFICIENT. N/A

10. STABILITY AND REACTIVITY

10.1 STABILITY

Considered stable under relatively high temperatures and pressure, consult FloPlast for application suitability before use. If exposed to other chemicals reactivity must be checked before use.

10.2 CONDITIONS TO AVOID

Incompatible Chemicals

10.3 MATERIALS TO AVOID

Not applicable

10.4 RECOMMENDED MATERIALS FOR EQUIPMENT

Not applicable

10.5 HAZARDOUS DECOMPOSITION PRODUCTS

Residue will contain quartz

11. TOXICOLOGICAL INFORMATION

11.1 SHORT TERM EFFECTS

EYE CONTACT. Irritation

SKIN CONTACT. Irritation may occur, often on first exposure to product

INGESTION. Not applicable

INHALATION. Nose and throat irritation

11.2 CHRONIC EFFECTS. As mineral fibres are respirable and may be retained in the lungs, there is the possibility of long-term damage from exposure to high levels of dust. However exonerated mineral fibres are much more biosoluble and will disappear even more rapidly than the traditional types

12. ECOLOGICAL INFORMATION

Not applicable

13. DISPOSAL CONSIDERATIONS

All intumescent products waste must be disposed of at an authorised site suitably packed and labelled as already indicated in section 6.2.

14. TRANSPORT INFORMATION

14.1 PACKAGING. See 7.1

14.2 FREIGHT CLASSIFICATION

Not applicable

15. REGULATORY INFORMATION

15.1 C.P.L CLASSIFICATION. This mineral wool is exonerated from classification as a carcinogen.

HAZARD PICTOGRAM. Not applicable

RISK PHRASES. R38 Irritating to skin

SAFETY PHRASES.

S36 Wear suitable protective clothing

S37 Wear suitable gloves

15.2 Other legislation –

Health & Safety at work Act 1974

Classification, packaging and labelling of dangerous substances regulations 1984

Guidance notes from the HSE: EH40 EH44

Approved codes of practice

COSHH. Chip 2002

16. OTHER INFORMATION.

All grades contain graphite, which is not recommended for electrical purposes. Not that dust from these products may compromise the integrity of electrical/ electronic equipment.

Products which have been used at elevated temperatures (greater than 900°C) may undergo partial conversion to Cristobalite, a form of crystalline silica. The maximum exposure limit (MEL) for mineral dust containing Cristobalite is 0.3mg/m³

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