

Material Safety Data Sheet Fireseal Cellular Foam

IMPORTANT INFORMATION: Fireseal cellular foam is an “article”, not a chemical. It is not classified as dangerous under the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP), Classification, Labelling, and Packaging of Chemical Regulations (CPL) & the UN’s Globally Harmonised System (GHS), and therefore does not require a Safety Data Sheet. It is exempt from the requirements to register under REACH. As a service to our customers, however Gilca Ltd. has produced this Product Information Sheet

1. Product Identification and Company

Product Name: ‘Fireseal’ Cellular Foam

Intended/Possible Product Use: Acoustic Engineering, Air Conditioning Duct Liner, Very High Fire Risk Mattresses & Pillows, Acoustic Enclosures, Acoustic Wall Panels, Anechoic Chambers

Company Identification: Gilca Ltd. Wolverhampton Road, Oldbury, West Midlands B69 4RU. Telephone: +44 (0)121 544 1929. Email: sales@gilcaltd.com

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2. Hazards Identification

Fireseal foam is not known to be a skin irritant.

- Fireseal foam dust can cause eye irritation.
- Fireseal foam dust generated from such operations as continuous grinding or buffing can create nuisance particulates, this can cause irritation to the respiratory tract or even lung infection, airway obstruction and fibrosis.
- The Control of Substances Hazardous to Health Regulations (COSHH), includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m³ 8-hour TWA of inhalable dust or 4 mg.m³ 8-hour TWA of respirable dust.

3. Composition / Information on Ingredients

Poly-addition products of isocyanates, polyols and water. Controlled by catalysts, stabilizers and other substances resulting in cellular polyurethane foams which are then post treated with flame retardants, particulate fillers and polymeric binding agent. Fireseal cellular foams as supplied do not contain any residual di-isocyanate.

4. First Aid Measures

Inhalation: No adverse effects anticipated

Skin Contact: Wash off any foam dust.

Eye Contact: In case of dust particle contact with eyes, rinse immediately with plenty of water until irritation subsides. If necessary seek medical advice.

Ingestion: Consult physician if coughing, discomfort, or obstruction of air passage occurs.

5. Fire Fighting Measures

General hazard: Under extreme temperatures Fireseal will decompose and omit toxic gases. In the event of a fire, evacuate premises immediately and call the Fire Brigade. Avoid inhalation of smoke and gases.

Extinguishing media: To suit local surroundings (e.g. water, carbon dioxide, foam, dry powder).

Special exposure hazards: Decomposition products released in a fire, (e.g. carbon black, carbon monoxide, carbon dioxide oxides of nitrogen, hydrogen cyanide), should be considered toxic if inhaled.

Protective equipment Wear self-contained breathing apparatus.

Further information Avoid run-off water entering the drains (e.g. use barriers).

6. Accidental Release Measures

Methods for cleaning up: Pickup and sweep up as for any other inert material.

Environmental considerations: Do not allow to get into waste water or waterways.

7. Handling and Storage

Advice on safe handling: Handle in accordance with good hygiene and safety practice.

Storage conditions: No special conditions required, but ideally to be stored in dry conditions.

Further information: Keep foam away from sparks, naked lights, open flames, exposed electrical elements, or other ignition sources. Smoking should be forbidden in areas where material is stored or processed.

8. Exposure Control / Personal Protection

Protective Equipment: Unless exposure to foam dust is anticipated, dust masks, goggles, and gloves are not required.

Ventilation: Mechanical ventilation should be considered in operations that generate large quantities of foam dust.

9. Physical and Chemical Properties

Physical form: Cellular foam

Colour: Dark grey

Odour: Faint, characteristic

General

Flammability:	BS EN 13501-1	Euroclass B-s1,d1
	Fire Propagation Index	< 12 BS 476 pt 6
	Surface Spread of Flame	Class "1" BS 476 pt 7
	Building Regs. 1991 (Fire Safety)	Class "0" BS 476 pt 6 & pt 7
	Operating Temperature	-30 to 100°C
	UL94 Classification	
	Surface Burning	94 V-0 UL 94
	Behaviour	Class A ASTM E84-95
Density	> 90 kg/M3 BS EN ISO 845	

10. Stability and Reactivity

Stability: Stable under normal conditions of handling.

11. Toxicological Information

General Information: No harmful effects have been reported to date.

12. Ecological Information

Degradability: Almost inert.

13. Disposal Considerations:

Advice on disposal: Under EU Environmental Regulations and Directives, there are no special requirements for the disposal of Firesal cellular foam.

Further information: Various methods are available for the recycling of uncontaminated Firesal cellular foam including.

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