

Trade Name: Firefly 109

Version: 3

Revision Date: 09/01/2024

Section 1: Identification of the substance/mixture and of the company/undertaking	
1.1	Product Identifier Firefly 109 vacuum formed products
1.2	Relevant identified uses of the substance or mixture and uses advised against Multiple use cases in passive fire protection, such as downlighter covers, pipe sleeves, socket covers and penetration seals
1.3	Details of the supplier of the safety data sheet TENMAT Limited Frank Perkins Way Northbank Industrial Park Manchester M44 5EW United Kingdom Tel: +44 (0)161 872 2181 Fax: +44 (0)161 872 7596 Email: sales@tenmat.com
1.4	Emergency telephone number +44 (0)161 872 2181 (9 am to 5 pm) +44 (0)161 955 2446
Section 2: Hazards identification	
2.1	Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 [CLP]: Not classified.
2.2	Label elements Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS] Supplemental hazard information (EU): These products are not hazardous in the form in which they are shipped by the manufacturer. These products contain low bio-persistence mineral fibres.
2.3	Other hazards There may be low levels of dust as a result of downstream activities such as cutting and machining.

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Section 3: Composition/information on ingredients	
3.1	<p>Composition of product The products are made from low bio-persistence mineral fibres, organic fibres, binders, and intumescent graphite</p>
Section 4: First Aid Measures	
4.1	<p>Description of First Aid Measures</p> <p>General Information The main hazards arise from any downstream activities such as cutting and machining.</p> <p>Following Inhalation Avoid breathing dust. Use suitable local exhaust ventilation. If breathing difficulties are experienced whilst machining, remove to fresh air or a ventilated area and seek medical advice.</p> <p>Following Skin Contact If possible, vacuum excessive dust from clothes as well as skin and hair. Wash and clean contaminated skin with soap and water.</p> <p>Following Eye Contact Irrigate abundantly with water, seek medical attention.</p> <p>Following Ingestion If small quantities are ingested seek medical advice.</p> <p>Self-Protection for First Aider Avoid breathing dust. Wear suitable personal protective equipment.</p>
4.2	<p>Most Important Symptoms and Effects, both Acute and Delayed</p> <p>Symptoms and effects:</p> <p>Dust may cause mechanical irritation such as eye irritation, coughing and sneezing. Repeated exposure to dust may cause chronic lung disease.</p>
4.3	<p>Indication of any Immediate Medical Attention and Special Treatment Needed</p> <p>Notes for doctor None required.</p> <p>Special Treatment None required.</p>



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Section 5: Fire-fighting measures	
5.1	Extinguishing media: Suitable extinguishing media: Water jet spray, foam, sand, carbon dioxide, extinguishing powder. Unsuitable extinguishing media: None
5.2	Special hazards arising from the substance or mixture Hazardous combustion products May produce small amounts of carbon dioxide and carbon monoxide. Test results have demonstrated that halogen content is less than 20ppm.
5.3	Advice for fire-fighters Wear self-contained breathing apparatus to an appropriate standard with positive pressure. Wear skin protection sufficient to protect from thermal decomposition products.
Section 6: Accidental release measures	
6.1	Personal precautions, protective equipment and emergency procedures For non-emergency personnel: Avoid inhaling dust. Use appropriate protective clothing. Protective equipment: Where dust is generated wear approved half or full face air purifying respirator. Emergency procedures: Avoid inhaling dust. For emergency responders: Avoid inhaling dust. Personal protective equipment: Protective clothing and equipment should be provided for operators carrying out cutting and machining operations.
6.2	Environmental precautions Prevent spread of dust.



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6.3	Methods and materials for containment and cleaning up For containment: Use suitable local exhaust ventilation to remove dust during cutting and machining operations. For cleaning up: Remove dust using an appropriate vacuum cleaner.
6.4	Reference to other sections See Section 7 for Handling and Storage and Section 8 for Protective Equipment.
Section 7: Handling and storage	
7.1	Precautions for safe handling Protective measures: No special protective measures are normally required. Fire prevention: Not flammable. Aerosol and dust generation prevention: Not applicable. Environmental precautions: No special precautions are required. Advice on general occupational hygiene: Wear protective clothing.



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7.2	Conditions for safe storage, including any incompatibilities Technical measures and storage conditions: Maintain dry conditions and avoid direct sunlight and extreme temperatures. Packaging materials: Cardboard, card cartons, polythene Requirements for storage rooms and vessels: Dry location. Hints on storage assembly: Take care not to exceed safe working loads and heights for storage shelves and racks. Storage class: N/A Materials to avoid: No special requirements. Further information on storage conditions: N/A
7.3	Specific end uses: Recommendations: N/A Specific end uses: See references to dust hazards during cutting and machining, Section 4.
Section 8: Exposure controls/personal protection	
8.1	Control Parameters Occupational Exposure limits Nuisance dust: OEL (UK): < 5 mg/m ³ 8 hour TWA tot. inhalable dust < 2 mg/m ³ 8 hour respirable dust

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8.2	<p>Exposure Controls</p> <p>Fit and use appropriate local exhaust ventilation systems for cutting and machining operations.</p> <p>Maintain a clean workspace and use a vacuum cleaner.</p>
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Section 9: Physical and chemical properties

9.1 Table of properties

Physical State	Solid material
Appearance	Various formed shapes
Colour	Grey
Odour	N/A
Odour threshold	N/A
pH	N/A
Melting/Freezing Point	N/A
Boiling point	N/A
Flash point	N/A
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Upper/lower flammability or explosive limits	N/A
Upper explosive limit	N/A
Lower explosive limit	N/A
Vapour pressure	N/A
Vapour density	N/A
Relative density	200 kg.m ⁻³
Solubility	Not soluble in water
Partition coefficient n-octanol/water	N/A
Auto-ignition temperature	N/A
Decomposition temperature	N/A
Dynamic viscosity	N/A
Kinematic viscosity	N/A
Explosive properties	N/A
Oxidising properties	N/A

Section 10: Stability and reactivity

10.1 Reactivity

Stable and non-reactive.

10.2 Chemical Stability

Stable and inert.



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10.3	Possibility of Hazardous Reaction No hazardous reactions known.
10.4	Conditions to Avoid Incompatible with strong acids and alkalis. Consult Tenmat.
10.5	Incompatible Materials No hazardous reactions known.
10.6	Hazardous Decomposition Products None.
Section 11: Toxicological Information	
11.1	Information on Toxicological Effects This material does not show any significant toxicological effects or critical hazards.
Section 12: Ecological Information	
12.1	Toxicity These products are insoluble in water and remain stable over time.
12.2	Persistence and Degradability Not established.
12.3	Bio accumulative Potential Not established.
12.4	Mobility in Soil No information available.
12.5	Results of PBT and vPvB Assessment These products do not contain substances that are considered as either PBT or vPvB
12.6	Other Adverse Effects No other additional information available.
Section 13: Waste Treatment Methods	
13.1	Product/Packaging Disposal Waste Treatment Options See local regulations.
Section 14: Transport Information	
14.1	UN Number N/A
14.2	UN Proper Shipping Name N/A

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14.3	Transport Hazard Class(es) N/A Hazard Labels N/A
14.4	Packing Group N/A
14.5	Environmental Hazards N/A
14.6	Special Precautions for User N/A
14.7	Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code N/A
Section 15: Regulatory Information	
15.1	Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture No specific regulations.
15.2	Chemical Safety Assessment Not carried out.
Section 16: Other Information	
16.1	Indication of Changes All sections updated January 2024
16.2	Abbreviations and Acronyms None used.
16.3	Key Literature References and Sources of Data
16.4	Classification for Mixtures and Used Evaluation Method According to Regulation (EC) 1207/2008 [CLP] See Section 2.
16.5	Relevant R-, H- and EUH Phrases (Number and Text) N/A
16.6	Training Advice
16.7	Further Information For further information visit www.tenmat.com