

Safety Data Sheet

Astro Clad - AFFRCLADX (VFB Plus)

Revision 4 - 20th September 2022



Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name : Astro Clad - AFFRCLADX (VFB Plus)

Product Code : AFFRCLADX

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture : Expands when heated to act as a fire stop. Main application is in fire protection.

1.3. Details of the supplier of the safety data sheet

Company Name : Astroflame (Fireseals) LTD
Unit 8 , I.O Centre
Stephenson Road
Segensworth
Fareham
PO15 5RU
United Kingdom

Tel Number : (0) 44 1329 844500

Email : sales@astroflame.com

1.4. Emergency telephone number

Emergency tel : (0) 44 1329 844500 During office hours 08:00 - 17:30

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation : Not classified.
(EC) No 1272/2008 [CLP/GHS]

Classification according to Directive : Not classified.
67/548/EEC or 1999/45/EC

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.

2.3. Other hazards

Other Hazards : There may be low levels of dust as a result of downstream activities such as cutting and machining.

Section 3: Composition/information on ingredients

Composition of product : These products are made from varying amounts of low bio-persistence mineral fibres, graphite, organic fibres and binders.

Section 4: First aid measures

4.1. Description of first aid measures

General Information : The main hazards arise from any downstream activities such as cutting and machining.

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.

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.

Following Eye Contact : Irrigate abundantly with water, seek medical attention.

Following Ingestion : If small quantities are ingested seek medical advice.

Self-Protection for First Aider : Avoid breathing dust. Wear suitable personal protective equipment.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms and effects : Dust may cause mechanical irritation such as eye irritation, coughing and sneezing. Repeated exposure to dust may cause chronic lung disease.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for Doctor : None required.

Special Treatment : None required.

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 : None.

5.3. Advice for fire - fighters

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

Environmental precautions : Prevent spread of dust.

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

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.

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.
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 use(s)

Recommendations	:	N/A
Specific end use(s)	:	See references to dust hazards during cutting and machining, Section 4.

Section 8: Exposure controls/personal protection

8.1. Control parameters

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

8.2. Exposure Controls

Exposure Controls : Fit and use appropriate local exhaust ventilation systems for cutting and machining operations.

Maintain a clean workspace and use a vacuum cleaner.

9: Physical and chemical properties

9.1. Table of properties

Physical State	: Solid material
Appearance	: Rigid Sheet
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	: 900 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

Reactivity : Stable and non-reactive.

10.2. Chemical Stability

Chemical stability : Stable and inert.

10.3. Possibility of hazardous reactions

Hazardous reactions : No hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : Incompatible with strong acids and alkalis. Consult Astroflame.

10.5. Incompatible materials

Incompatible Materials : No hazardous reactions known.

10.6. Hazardous Decomposition Products

Hazardous Decomposition Products: None.

Section 11: Toxicological information

11.1. Information on toxicological effects

Information on Toxicological Effects: This material does not show any significant toxicological effects or critical hazards.

Section 12: Ecological information

12.1. Toxicity

Toxicity : These products are insoluble in water and remain stable over time.

12.2. Persistence and Degradability

Persistence and degradability : Not established

12.3. Bio accumulative potential

Bio accumulative potential : Not established.

12.4. Mobility in soil

Mobility in Soil : No information available.

12.5. Results of PBT and vPvB assessment

PBT identification : These products do not contain substances that are considered as either PBT or vPvB.

12.6. Other adverse effects

Other adverse effects : No other additional information available.

Section 13: Waste Treatment Methods

13.1. Product/Packaging Disposal

Product/Packaging Disposal : Packaging can be cleaned and recycled.

Waste Treatment Options : See local regulations.

Section 14: Transport information

14.1. UN Number

UN Number : N/A

14.2. UN Proper Shipping Name

UN Proper Shipping Name : N/A

14.3. Transport Hazard Class(es)

Transport Hazard Class(es) : N/A

Hazard Labels : N/A

14.4. Packing Group

Packing Group : N/A

14.5. Environmental Hazards

Environmental Hazards : N/A

14.6. Special Precautions for User

Special Precautions for User : N/A

14.7. Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

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

Regulations : No specific regulations.

15.2. Chemical Safety Assessment

Chemical Safety Assessment : Not carried out.

Section 16: Other information

16.1. Indication of Changes

Indication of Changes : All sections updated June 13th 2022

16.2. Abbreviations and Acronyms

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]

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)

Relevant R-, H- and EUH Phrases (Number and Text) : N/A

16.6. Training Advice

Training Advice : See Astroflame Products Technical Brochure for information on use.

16.7. Further Information

Further Information : For further information, visit www.astroflame.com

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