1. IDENTIFICATION OF THE SUBSTRATE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name/designation: Alumasc Extruded Polystyrene Upstand Board.

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

Main use category: Thermal insulation / professional use only.

1.3 Manufacturer/Supplier

Supplier:
Alumasc Building Products Ltd
White House Works, Bold Road, Sutton, St Helens, Merseyside, United Kingdom, WA9 4JG
Tel: +44 (0)1744 648400
e-mail: technical@alumascroofing.com

1.4 Manufacturer/Supplier

Emergency telephone: 01744 648 400 - (Mon-Thurs – 08.30-17.00 Fri – 08.30-16.00)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]:
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Adverse physicochemical, human health and environmental effects:
No additional information available.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]:
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

No data available.

3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS

3.1 Substances

XPS with a 6mm weather resistant facing.

3.2 Mixtures

CASRN / EC-No. / Index-No.	REACH Registration No.	Concentration	Component	Classification: REGULATION (EC) No 1272/2008
CASRN Not available **EC-No.** Not applicable **Index-No.** -	-	100.0%	Laminated styrenic foam	Not classified

If present in this product, any not classified components disclosed above for which no country specific OEL value(s) is(are) indicated under Section 8, are being disclosed as voluntarily disclosed components.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation:	Move the affected person away from the contaminated area and into the fresh air. Seek medical attention if ill effect or irritation develops.
Skin Contact:	Wash off with plenty of water.
Eye Contact:	Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.
Ingestion:	No emergency medical treatment necessary.

4.2 Most important symptoms and effects, both acute and delayed

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

4.3 Indication of any immediate medical attention and special treatments needed

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASSURES

5.1 Extinguishing media

Suitable extinguishing media:
Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam.

Unsuitable extinguishing media:
No data available.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire:
During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. In smouldering or flaming conditions, carbon monoxide, carbon dioxide and carbon are generated. Combustion products may include and are not limited to: Hydrogen halides. Based on combustion toxicity testing, the effects of combustion from this foam are not more acutely toxic than the effects of combustion from common building materials such as wood.

Unusual fire and explosion hazards:
Mechanical cutting, grinding or sawing can cause formation of dusts. To reduce the potential for dust explosion, do not permit dust to accumulate. Dense smoke is produced when product burns

5.3 Advice for fire-fighters

Firefighting instructions:
Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. If material is molten, do not apply direct water stream. Use fine water spray or foam. Cool surroundings with water to localize fire zone.

Protective equipment for firefighters:
Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

6. ACCIDENTIAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:
There are no special required instructions.

6.2 Environmental precautions

There are no special required instructions.

6.3 Methods and materials for containment and clearing up

Recover spilled material if possible. See Section 13, Disposal Considerations, for additional information.

6.4 References to other sections

References to other sections, if applicable, have been provided in the previous sub-sections.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Mechanical cutting, grinding or sawing can cause formation of dusts. To reduce the potential for dust explosion, do not permit dust to accumulate. This product is combustible and may constitute a fire hazard if improperly used or installed. When installed, this product should be adequately protected as directed by national building regulations or instructions in the specific application brochure.

7.2 Conditions for safe storage, including any incompatibilities

During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources.

7.3 Specific end uses(s)

See the technical data sheet on this product for further information.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits are listed below, if they exist.

8.2 Exposure controls

Appropriate engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Hand protection: Use gloves to protect from mechanical injury. Selection of gloves will depend on the task.

Eye protection: Eye protection should not be necessary. For fabrication operations safety glasses (with side shields) are recommended. Safety glasses (with side shields) should be consistent with EN 166 or equivalent. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles. Chemical goggles should be consistent with EN 166 or equivalent.

Respiratory protection:	Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. In dusty or misty atmospheres, use an approved particulate respirator. Use the following CE approved air-purifying respirator: Organic vapor cartridge with a particulate pre-filter, type AP2.
Other information:	No precautions other than clean body-covering clothing should be needed. Do not eat, drink or smoke during use.
Environmental exposure controls	See Section 7: Handling and storage and Section 13: Disposal considerations for measures to prevent excessive environmental exposure during use and waste disposal.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Foam.
Colour:	Colour is variable.
Odour:	Odourless.
Odour threshold:	Odourless.
pH:	Not applicable.
Flash point:	Closed cup 346°C literature.
Relative evaporation rate (butyl acetate=1):	
Not applicable	
Flammability (solid, gas):	No.
Lower explosion limit:	Not applicable.
Upper explosion limit:	Not applicable.
Vapour pressure:	Not applicable.
Relative vapour density at 20°C:	Not applicable.
Auto-ignition temperature:	491°C literature.
Decomposition temperature:	430-600°C literature.
Viscosity, kinematic:	No data available.
Explosive properties:	No.
Oxidizing properties:	No.

9.2 Other information

Solid density:	100-500 kg/m^3 literature.
Molecular weight:	Not applicable.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Thermally stable at typical use temperatures.

10.3 Possibility of hazardous reactions

Polymerization will not occur.

10.4 Conditions to avoid

Avoid temperatures above 300°C (572°F) Exposure to elevated temperatures can cause product to decompose.

10.5 Incompatible materials

Avoid contact with: Oxidizers, Aldehydes, Amines, Esters, Liquid fuels, Organic solvents.

10.6 Hazardous decomposition products

Does not normally decompose. Decomposition products depend upon temperature, air supply and the presence of other materials. Aromatic compounds. Aldehydes. Hydrogen halides. Polymer fragments. Under high heat, non-flaming conditions, small amounts of aromatic hydrocarbons such as styrene and ethylbenzene are generated.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity:
Swallowing is unlikely because of the physical state. Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.
Single dose oral LD50 has not been determined.

Acute dermal toxicity:
Skin absorption is unlikely due to physical properties.
As product: The dermal LD50 has not been determined. The dermal LD50 has not been determined.

Acute inhalation toxicity:
Dust may cause irritation to upper respiratory tract (nose and throat). The LC50 has not been determined.

Skin corrosion/irritation:
Essentially non-irritating to skin.
May cause skin irritation due to mechanical abrasion.

Serious eye damage/eye irritation:
Solid or dust may cause irritation due to mechanical action.
Fumes/vapor released during thermal operations such as hot-wire cutting may cause eye irritation.

Sensitization:
For skin sensitization: Relevant data not available.
For respiratory sensitization: Relevant data not available.

Specific target organ systemic toxicity (single exposure):
Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Specific target organ systemic toxicity (repeated exposure):
Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

Carcinogenicity:
Relevant data not available.

Teratogenicity:
No relevant data found.

Reproductive toxicity:
No relevant data found.

Mutagenicity:
Relevant data not available.

Aspiration hazard:
Based on physical properties, not likely to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity to fish
Not expected to be acutely toxic to aquatic organisms.

12.2 Persistence and degradability

Biodegradability: No appreciable biodegradation is expected.

12.3 Bioaccumulative potential

Bioaccumulation: No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000).

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

All efforts to recycle material should be made. This material may be disposed of preferably by incineration under approved conditions or, in some countries, in approved landfills. Customers are advised to check their local legislation governing the disposal of waste materials. If incinerated, it is recommended that the flue gases be treated by a scrubber before exhausting to the atmosphere.

The definitive assignment of this material to the appropriate EWC group and thus its proper EWC code will depend on the use that is made of this material. Contact the authorized waste disposal services.

14. TRANSPORT INFORMATION

Classification for ROAD and Rail transport (ADR/RID):

14.1	UN No.	Not applicable.
14.2	Proper shipping name	Not regulated for transport.
14.3	Class	Not applicable.
14.4	Packing group	Not applicable.
14.5	Environmental hazards	Not considered environmentally hazardous based on available data.
14.6	Special precautions for user	No data available.

Classification for SEA transport (IMO-IMDG):

14.1	UN No.	Not applicable.
14.2	Proper shipping name	Not regulated for transport.
14.3	Class	Not applicable.
14.4	Packing group	Not applicable.
14.5	Environmental hazards	Not considered as marine pollutant based on available data.
14.6	Special precautions for user	No data available.
14.7	Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code	Consult IMO regulations before transporting ocean bulk.

Classification for AIR transport (IATA/ICAO):

14.1	UN No.	Not applicable.
14.2	Proper shipping name	Not regulated for transport.
14.3	Class	Not applicable.
14.4	Packing group	Not applicable.
14.5	Environmental hazards	Not applicable.
14.6	Special precautions for user	No data available.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH Regulation (EC) No. 1907/2006:
This article contains neither dangerous substances nor dangerous mixtures which are intended to be released under normal or reasonably foreseeable conditions of use., The afore mentioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer´s/user´s responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances:
Listed in Regulation: Not applicable

15.2 Chemical Safety Assessment

Not applicable.

16. OTHER INFORMATION

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008:
This product is not classified as dangerous according to EC criteria.

Information source and references:
This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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