

Siderise 'V' & 'VE' Series acoustic foam products

1. Identification of substance / mixture and of the company

1.1 Product identifier

Siderise 'V' & 'VE' Series acoustic foam products.

1.2 Chemical Composition

Open cell polyether polyurethane foam, impregnated with acrylic polymer bound fire retardants.

1.3 Details of the supplier of the Material data sheet

Siderise (Special Products) Limited

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2. Hazards identification

2.1 Classification of the substance or mixture

(EC) No 1272/2008 of the substance or mixture - This product is not classified according to the GB- CLP regulation.

2.2 Label elements

None Required.

2.3 Precautionary statements

(When cutting or Machining)

P260 Do not breathe dust.

P280 Wear protective gloves/eye protection

Flexible polyurethane foams are produced by the reaction between a high molecular weight polyol and toluene diisocyanate (TDI) and/or diphenyl methane diisocyanate (MDI) in the presence of catalysts, surfactants and blowing agents, resulting in a flexible cellular product having a predominantly open-celled structure.

Siderise 'V' & 'VE' Series grades of foam are produced by post-treatment of the polyurethane foam with a water based latex compound. This compound contains a high loading of alumina tri-hydrate, a flame retardant of low oral toxicity. This additive is 'bound' to the foam substrate by the cured latex film and is water insoluble. Siderise 'V' & 'VE' Series foams are supplied in sheets, rolls and cut parts.

3. Composition / information on ingredients

3.1 Substances

Constituent	CAS No.	Weight (%)	Hazard classification
Polyether Polyurethane Foam*	926-099-9	~20	Not applicable
Alumina Tri-hydrate	21645-51-2	~70	Not applicable
Mineral oil	37325-11-4	~10	Not applicable

* Technical data sheet available on request

The basic polyurethane polymer and Siderise 'V' & 'VE' series polyurethane impregnates are considered to be of low toxicity and should present no hazard from skin contact or by ingestion.

4. First aid measures

4.1 Description of first aid measures

4.1.1 Inhalation

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

4.1.2 Skin contact

Wash immediately with plenty of water. If skin irritation persists, call a physician.

4.1.3 Eye contact

In the case of contact with your eyes, rinse immediately with plenty of water and seek medical advice.

4.1.4 Ingestion

Do NOT induce vomiting. Call a physician or poison control center

4.2 Most important symptoms and effects, both acute and delayed

None under normal use

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. Fire fighting measures

5.1 Extinguishing media

5.1.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire

5.1.2 Unsuitable extinguishing media

None.

5.2 Special hazards arising from the substance or mixture

FIRE HAZARD None known

EXPLOSION DATA: None known

5.3 Fire fighting equipment and precautions for fire fighters

Siderise 'V' & 'VE' Series acoustic foams are highly flame retardant and even large ignition sources will not ignite them.

However, in a fire situation, although Siderise 'V' & 'VE' Series acoustic foams will not promote the spread of flame, they will, at high temperatures, release smoke and toxic gases. A high standard of general fire precautions, including adequate means of escape, are therefore most important.

Systems for detecting fire and/or initiating fire extinguishing appliances, e.g. sprinklers, the training of employees in the use of fire extinguishers and hose reels and the regular practice of fire drills will contribute to life safety and minimising fire damage. It is vitally important that employees are instructed on the action to take in the case of fire.

6. Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Ensure adequate ventilation. Avoid dust formation. See section 8 for further details.

6.2 Environmental precautions

6.2 Environmental precautions - foam waste should be disposed of by an authorised licensed waste disposal contractor

6.3 Methods and materials for containment and cleaning up

Collect mechanically (preferably in dry condition), Transfer to suitable containers for recovery or disposal.

6.4 Reference to other sections

See Sections 8 and 13 for further advice.

7. Handling and storage

7.1 Precautions for safe handling

Avoid exposure. Avoid dust formation.

Do not get in eyes, on skin, or on clothing. Wear personal protective equipment/face protection. Do not ingest. If swallowed, then seek immediate medical assistance.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions - No special precautions.

Store in a dry place at ambient temperature and humidity. In areas where SIDERISE 'V' & 'VE' SERIES foams are stored with flammable materials a strict no-smoking policy should be applied.

8. Exposure controls / personal protection

8.1 Control parameters

EXPOSURE LIMITS (8-hour TWA, ppm):

Component	United Kingdom	CAS No:
Alumina Tri-hydrate	TWA: 10 mg/m ³ 8 hr (Inhalable) TWA: 4 mg/m ³ 8 hr (Respirable)	21645-51-2
Airbourne Dusts EH40/2005	10 mg.m ³ 8-hour TWA of inhalable dust 4 mg.m ³ 8-hour TWA of respirable dust	

8.2 Engineering controls

None required under normal product handling and use.

8.3 Personal protective equipment

8.3.1 Hand protection

If mechanically cutting material, wear suitable gloves.

8.3.2 Eye protection

If mechanically cutting material, creating dust particles, it is advisable to use safety glasses with side protection.

8.3.3 Skin and body protection

Wear protective work clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved

(e.g. Gloves when handling material)

8.3.4 Respiratory protection

Not applicable in normal usage conditions

8.4 User safety recommendations

Hot-wire cutting should be avoided, this will release toxic fumes containing isocyanates into the atmosphere. Equipment such as band-knives, slitters, etc should have sharp, smooth edge blades for cutting foam. Saw-tooth type blades will produce dust, but adequate precautions should be taken to avoid a build up to nuisance levels, as this can cause a discomfort to nose and throat.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|-------------------------|--|
| a) Appearance: | Physical State: Uniform cellular solid structure |
| b) Colour: | Normally Black, (other colours possible dependent upon volume) |
| c) Odour: | Odourless |
| d) Density: | ~ 80kgm-3 |
| e) Solubility in water | Insoluble. |
| f) Ignition Temperature | > 200° C |

9.2 Other information

No further chemical or physical properties to report.

10. Stability and reactivity

10.1 Product Reactivity

No additional information available.

10.2 Chemical stability

The product is stable during normal handling and storage conditions.

10.3 Hazardous reactions

Will not occur.

10.4 Conditions to avoid

None.

10.5 Incompatible materials

Strong oxidizing acids and bases will degrade the product.

10.6 Hazardous decomposition products

Oxides of carbon and nitrogen, free isocyanate, acetaldehyde, acrylonitrile, polymer fragments, and hydrogen cyanide. Fire retardant foams may generate emissions of hydrogen chloride, hydrogen bromide or phosphoric acid depending on the fire-retardant additive.

11. Toxicological information

11.1 Information on toxicological effects

Routes of exposure: Inhalation, eye contact.

Health hazards: Inhalation:

Foam dust – Coarse dust can cause mechanical irritation of the upper respiratory tract when concentrations are above the applicable occupational exposure limit. Airborne dust is evaluated as a nuisance dust.

Vapors – Irritating vapors (decomposition products) may be produced if product is exposed to temperatures above 180°C. If ignited, foam may decompose and emit toxic gases and respiratory irritants.

Eye: Foam dust – Coarse dust can cause mechanical irritation to the eyes. If exposed, avoid rubbing your eyes.

Vapors – Irritating vapors (decomposition products) may be produced if product is exposed to temperatures above 180°C.

Carcinogenicity	No data available.
Germ cell mutagenicity	No data available.
Reproductive toxicity	No data available.
Specific Organ toxicity (single exposure)	No data available.
Specific Organ toxicity (repeated exposure)	No data available.

11.2 Acute toxicity

No data available

12. Ecological information

Environmental summary:

12.1 Toxicity

Low Toxicity.

12.2 Persistence and degradability

No additional information available.

12.3 Bio-accumulation

No additional information available.

12.4 Mobility in soil

In the soil environment, natural bacteria and fungi will aid biodegradation. Chlorofluorocarbons and other auxiliary blowing agents regulated by the Montreal Protocol and its subsequent amendments are not used in the manufacture of 'V' & 'VE' Series acoustic foam.

12.5 Other adverse effects

No known significant effects or critical hazards.

13. Disposal consideration

13.1 Waste disposal methods

Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

13.2 Disposal packaging

Dispose in accordance with local, regional, international regulations.

14. Transport information

Shipping description:	In accordance with DOT
Transport hazard class:	Not applicable
UN number:	Not dangerous goods in sense of transport regulations
DOT packing group:	Not applicable

15. Regulatory information

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

Safety data sheets

EU DIRECTIVES

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

15.2 Important notice

The information included in this material data sheet is based on our most up to date knowledge and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed. No liability will be accepted (except as by specified by law) for use of information taken from this material data sheet. It is the responsibility of the user of this product to observe the rules and regulations.

16. Other information

This Safety Data Sheet has been compiled in accordance with Regulation UK SI 2019/758 and UK SI 2020/1577 as amended.

Safety Data Sheet according to REACH Regulation (EC 1907/2006), and GB-CLP Regulation (EC 1272/2008).

Context

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Further information

Technical support

For further information please contact our technical team at the address below:

Email: technical.sspl@siderise.com

Products and technical information

Visit our website for product information and free technical downloads.

Company	Siderise (Special Products) Limited, Lady Lane Industrial Estate, Hadleigh, Suffolk IP7 6BQ, United Kingdom
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Product name	Siderise 'V' & 'VE' Series acoustic foam products
Replaces version	V2 January 2017
Changes made	Safety datasheet reformatted as a material safety data sheet. Updated with latest supplier information.
Additional Information	

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