

Material Safety Data Sheet / 01 A354 Class O Acoustic Foam



ISO9001, ISO14001, ISO45001
Certificate Ref: 11738

IMPORTANT INFORMATION

A354 Acoustic 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 Advanced Seals and Gaskets Ltd. has produced this Material Safety Data Sheet

1 - Identification of Substance / Preparation Product Code:

Product Code	A354 Class O Acoustic Foam
Intended/Possible Product Use	Acoustic Engineering, Air Conditioning Duct Liner, Very High Fire Risk Mattresses & Pillows, Acoustic Enclosures, Acoustic Wall Panels, Anechoic Chambers
Manufacturer/Supplier	Advanced Seals & Gaskets Ltd
Address	Polymer Works
Phone Number	+44 (0) 1384 252555
Fax Number	+44 (0) 1384 252373

2 - Hazards Identification

A354 foam is not known to be a skin irritant.

A354 foam dust can cause eye irritation.

A354 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.m⁻³ 8-hour TWA of inhalable dust or 4 mg.m⁻³ 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.

A354 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 A354 Acoustic Foam will decompose and emit 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)

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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 & 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 Controls / 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 & 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 "O"	BS 476 pt 6 & pt 7
	Operating Temperature	-30 to 100°C	
	UL94 Classification	94 V-0 UL 94	
	Surface Burning Behaviour	Class A	ASTM E84-95
Density	> 90 kg/M3 BS EN ISO 845		

10 - Stability & Reactivity

Stability	Stable under normal conditions of handling.	
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11 - Toxicological Information

General Information	No harmful effects have been reported to date	
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12 - Ecological Information

Degradability	Almost inert	
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13 - Disposal Considerations

Advice on disposal	Under EU Environmental Regulations and Directives, there are no special requirements for the disposal of A354 Acoustic Foam.
Further information	Various methods are available for the recycling of uncontaminated A354 Acoustic Foam including, crumbed or shredded or rebonded to produce reconstituted foam.

Change Control Date	Change
16/06/2020	Created

The information in this data sheet is strictly confidential and is supplied on the understanding that it will only be used in connection with matters relating to Health and Safety. The information is given in good faith and is to the best of our knowledge true and accurate. However, since the conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee. This statement does not affect the statutory rights of a customer. We do not give any guarantee that additional security measures may be required under particular or exceptional circumstances. It is the responsibility of the user to observe national or local safety regulations. In no case can we accept responsibility for a failure to observe such regulations. Freedom from patent rights must not be assumed. We recommend that you examine any material you select to ensure its suitability for your application. Tolerance(s) applied in accordance with ASG specification No WI007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated. Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.

