Products :	Alveolit, Alveolen, Alveosoft **- contains halogenated flame retardant (FR) -**		
Reviewed on:	31.07.2020	**Document no.:**	2001PSI-EN-XL-FR
Valid from:	31.07.2020		

Remarks:

The companies of the Sekisui Alveo Group are producers of articles (REACH art. 3 No. 4). An Article is defined as an "object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition" (REACH art. 3 No. 3). For articles or substances in an article **no Material Safety Data Sheets** (MSDS) need to be prepared (REACH art. 31).

With this **Product Safety Information** Sekisui Alveo fulfils his information obligation according to REACH Art. 33.

1. Producer Data

1.1 Producer / Supplier

Country:	The Netherlands
Address:	Sekisui Alveo BV Montageweg 6 NL - 6045 JA Roermond

1.2 Contact for technical information

Country:	Germany	Switzerland (Headquarter)	United Kingdom
Address:	Sekisui Alveo GmbH Frankfurter Straße 151c DE - 63303 Dreieich	Sekisui Alveo AG Ebikonerstrasse 75 CH - 6043 Adligenswil	Sekisui Alveo (GB) Ltd. 4 Kensworth Gate High Street South UK - LU6 3HS Dunstable, Bedfordshire
Phone: Fax:	+49 6103 94 83 0 +49 6103 94 83 74	+41 41 228 92 92	+44 1582 600 456 +44 1582 600 567
Country:	The Netherlands	Italy	Spain
Address:	Sekisui Alveo (Benelux) BV Gutenbergweg 1 NL - 4104 BA Culemborg	Sekisui Alveo Srl. Viale Italia 5/A IT - 20045 Lainate MI	Sekisui Alveo S.A. Miquel Torelló I Pagès, 60 Polígono Industrial el Pla Apartado de Correos, 42 ES - 08750 Molins de Rei (Barcelona)
Phone: Fax:	+31 34 553 39 39 +31 34 553 48 66	+39 02 9357 0283 +39 02 9357 0383	+34 93 680 2842 +34 93 680 2869
Country:	Czech Republic	Poland	
Address:	Sekisui Alveo Stojanova 1334 CZ - 686 01 Uherske Hradiste	Sekisui Alveo ul. Okrezna 18/22 PL - 95-071 Rabien (k/Lodz)	
Phone: Fax:	+42 0739 219 830	+48 42 712 50 11 +48 784 09 55 77	

2. Composition / Information on chemical ingredients

2.1 Product type

Polyethylene / polypropylene foams (PE/PP) with flame retardant (combination of polybrominated hydrocarbon and antimony trioxide)

2.2 SVHC

Alveolit FR, Alveolen FR, Alveosoft FR do not contain a substance registered on the candidates list of substances of very high concern in a concentration exceeding 0.1 w%.

2.3 Additional information

The foaming agent, azodicarbonamide (ADCA), has been categorised as SVHC in December 2012. The substance is a usual chemical foaming agent applied in foam production, because it decomposes thermally to more than 99.9 % to generate gas (mainly nitrogen).[1] Our production process complies to the generally recognised code of good practice whereby the temperature in our foaming ovens is higher than the decomposition temperature of ADCA. Therefore we expect that our foams contain less than 0.1 w% of ADCA rest contents. However, any ADCA rests contents (traces) are embedded in the polymer matrix and will not be released under usual circumstances.

Since currently no standard analytical method for determination of ADCA rest contents in crosslinked polyolefin foams is available, the statements in this chapter are valid unless an appropriate analytical method is defined by an authorised institution (e.g. ISO, CEN, etc.).

[1] "Background document for Diazene-1,2-dicarboxamide [C,C-azodiformamide]", ECHA, 06.02.2014, p. 2, footnote 2; and REACH Annex XV Dossier: "Identification of C,C'-Azodi(formamide) (ADCA) as SVHC", p. 38; (www.echa.europa.eu)

3. Handling and storage

3.1 Handling

Respect common personal protection measures and use applicable tools especially for internal transportation in order to minimize the risk of bodily harm.

If combustible solvent vapour or dust of any kind is present in the ambient air, use grounding or ionising installations - risk of explosion by electric spark. At foul weather, bad storage condition and fast separation (e.g. crawling, de-stacking) electrostatic charging and spontaneous discharging may be possible.

3.2 Storage conditions

Store at a roofed place (indoor storage recommended). Avoid direct solar irradiation (even through transparent roof panel or window). Long-term exposure to UV radiation may change physical properties of the polyolefin foam.

3.3 Security-relevant physical properties

Physical appearance at 20 °C:	Solid
Softening range:	70 - 130 °C
Ignition temperature:	> 300 ° C

3.4 Fire prevention notes

Alveolit FR, Alveolen FR and Alveosoft FR consist mainly of polyethylene (PE) or polypropylene (PP) and are therefore combustible. Apply common measures of fire prevention. Keep away from heat/sparks/open flames/hot surfaces. No smoking.

3.5 Chemical substances to avoid

Polyolefin foams may react slowly with organic solvents and strong oxidising agents which might lead to changes of physical properties.

3.6 Hazard decomposition compounds

No hazard decomposition products are known.

4. Personal protection

4.1 General notes

Our polyolefin foams should not lead to damage caused to health when handled as recommended. At disturbance of health of any kind please contact a physician.

4.2 Personal protection equipment (PPE)

Choose work centre specific protection (helmet, hard-toed shoes, work gloves, dust mask, protective goggles, etc.) in order to minimize the risk of bodily harm and of disturbance of health.

4.3 Work hygiene

Respect common work hygiene measures.

5. Fire-fighting measures

5.1 Suitable extinguishing media
Fire class B (melting plastics)

Primary: foam, dry powder

Secondary: water (spray), carbon dioxide (CO_2)

5.2 Unsuitable extinguishing media
Water jet, M28/L2, wet chemical

5.3 Special Exposure Hazards Arising from the Article Itself, its Combustion Products, or Resulting Gases
During combustion particular danger arises of burning drops. Harmful gases may be generated like bromohydric acid, carbon monoxide, carbon dioxide, nitrogen monoxide, nitrogen dioxide.

5.4 Special Protective Equipment of Fire-Fighters
Do not approach the hazard area without positive pressure self-contained breathing apparatus.
Avoid skin contact with molten plastic by wearing protective clothing and by keeping a safety distance.

6. Disposal notes

6.1 Recommendation
The polyolefin foams can feed thermal recycling.

6.2 Possible Waste Codes According to European Waste Catalogue (EWC)
Please contact your disposal company for agreement on the correct waste code for your product.

07 02 03	Wastes from manufacture, formulation, supply and use of plastics: waste plastic
12 01 05	Wastes from shaping and physical and mechanical surface treatment of plastics: plastics shavings and turnings
15 01 02	Waste packaging: plastic packaging
16 01 19	Wastes not otherwise specified in the list: plastic
17 02 03	Construction and demolition wastes: plastic
17 02 04	Construction and demolition wastes: plastic containing or contaminated with dangerous substances
19 12 04	Wastes from the mechanical treatment of waste: plastic and rubber
20 01 39	Municipal wastes: plastics

6.3 Packaging
Packaging can feed material recycling.

7. Transport information

7.1 Land, ADR/RID
No dangerous good.

7.2 Sea, IMDG
No dangerous good.

7.3 Air, ICAO-TI / IATA-DGR
No dangerous good.

8. Labelling obligation

GHS, CLP Regulation (EC) No. 1272/2008
The article needs no particular label.

9. Additional information

9.1 Adaptations compared to previous version

- Review

9.2 Changed paragraphs

- 1.2 New zip code Italy
- 2.2 Adopted text
- 2.3 Added information
- 6.2 Added recycling codes
- 10 Author

9.3 Literature and data sources

Regulations:
- REACH Regulation (EC) No. 1907/2006
- CLP Regulation (EC) No. 1272/2008
- Decision 2000/532/EG (European Waste Catalogue)

Internet:
- http://echa.europa.eu/web/guest/candidate-list-table
- http://apps.echa.europa.eu/registered/data/dossiers/DISS-9c802b65-15b3-5d0f-e044-00144f67d249/DISS-9c802b65-15b3-5d0f-e044-00144f67d249_DISS-9c802b65-15b3-5d0f-e044-00144f67d249.html
- http://ec.europa.eu/enterprise/sectors/chemicals/specific-chemicals/index_en.htm
- http://www.fsc-nationwide.com/fire-extinguishers.html
- http://www.bmu.de/service/publikationen/downloads/details/artikel/avv-abfallverzeichnis-verordnung/

10. Author

Author: S. Paul, Application Development Manager, Sekisui Alveo AG

11. Disclaimer

All Information concerning technical, physical, chemical data and properties of our semi-finished foams are in accordance to the current state of the art and drawn on measurements, publications and our practical experience. All information in this document is correct in good faith. We have no control over the application of our foams and no legal responsibility for inappropriate usage is accepted. Control and approval of the final product in due consideration of the actual application as well as of conformity with European and national regulations are the responsibility of the foam applicant. Liability above the legal obligations is not accepted.

The present confirmation is valid until the amendment of security-relevant information, maximum 2 years starting from the validity date.