

# Safety Data Sheet RoFoam

Schmitz Foam Supply | Version 1.0 (EU) | March 1<sup>st</sup> 2024

# Introduction

According to European Regulation (EC) on Chemicals No. 1907/2006 (18 December 2006) enforced on June 1st, 2007 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) only require Safety Data Sheet (SDS) for hazardous substances and preparations. RoFoam foam products are classified as articles (REACH art. 3 No. 3 & 4) and not as hazardous substances and preparations. 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). Articles do not have to be registered.

Schmitz Foam Supply will however voluntarily continue to communicate to its customers, the appropriate SDS information for assuring the safe handling and use of polyolefin RoFoam foam products.

For clarity this Safety Data Sheet contains the same sections as specified by Annex II of REACH:

Section 1	Identification of products and company
Section 2	Hazards identification
Section 3	Composition/information on ingredients
Section 4	First aid measures
Section 5	Fire fighting measures
Section 6	Accidental release measures
Section 7	Handling and storage
Section 8	Exposure controls/personal protection
Section 9	Physical and chemical properties
Section 10	Stability and reactivity
Section 11	Toxicological information
Section 12	Ecological information
Section 13	Disposal information
Section 14	Transport information
Section 15	Regulatory information
Section 16	Other information

# Section 1 - Identification of products and company

## Product Name

RoFoam

## Use of the product

RoFoam - Polyolefin Foam has outstanding insulation, dimensional stability and recovery characteristics that provides optimal cushioning protection against impact.

Applications include but are not limited to automotive, construction, industrial, packaging or transport applications.

## Company

### Production

Schmitz Manufacturing B.V.  
Produktieweg 6  
6045 JC Roermond  
The Netherlands  
T +31 (0)475 370 270  
F +31 (0)475 340 212

### Sales

Schmitz Manufacturing B.V.  
Produktieweg 6  
6045 JC Roermond  
The Netherlands  
T +31 (0)475 370 270  
F +31 (0)475 340 212  
[sales@schmitzfoam.com](mailto:sales@schmitzfoam.com)  
[schmitzfoam.com/supply](https://schmitzfoam.com/supply)

### Emergency phone number

+31 (0)475 370 270 (Mo - Fr)

# Section 2 - Hazards identification

## Classification of the substance or mixture

None, with regard to its composition this product is not classified as hazardous according to European Directive 1272/2008.

## Labelling

The products are classified and labelled according to the CLP regulation Nr. 1272/2008.  
Generally, these products do not have to be labelled.

## Section 3 - Composition/information on ingredients

### Chemical characterisation

Polyolefin foams.

### SVHC (Substance of very high concern)

RoFoam foam products are based on crosslinked polyolefins. According to our current knowledge (date of release of this document) they do not contain a substance registered on the candidates list of substances of very high concern in a concentration of more than 0.1% (w/w) (EC No. 1907/2006, article 59).

### Additional information

The foaming agent, azodicarbonamide (ADCA), has been categorized as SVHC in December 2012. Azodicarbonamide (ADCA)\* is used as expansion agent. The conversion rate during the foaming step of > 99,9% indicate that the amount of non-decomposed residues of ADCA is below 0,1% (w/w). Any traces of non-decomposed ADCA are embedded in the polymer matrix and can't be released during normal usage of the product. This declaration is considered appropriate until a harmonized standard by the authorized institution for evaluating ADCA residues in crosslinked polymers is made available. The material composition varies with the usage of different additives like colors, UV-stabilizers, Flame retardants for the different applications. Flame retardant foam types contain small quantities of Antimony trioxide and Bromine compounds.

\* Diazene-1,2-dicarboxamide [C,C-azodiformamide] (ADCA) – CAS number 123-77-3, ([www.echa.europa.eu](http://www.echa.europa.eu))

## Section 4 - First aid measures

### General notes

Polyolefin foams should not cause any damage to health when handled as recommended. At issues of health of any kind please contact a doctor.

### Skin contact

No hazard in normal use.

For hot product, immediately immerse in or flush the affected area with large amounts of cold water. Call for prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing.

### Inhalation

In case of upper respiratory tract irritation due to breathing of decomposition products move concerned persons to fresh air. If symptoms persist, call a doctor. Administer artificial respiration if breathing is stopped. Call for prompt medical attention.

### Ingestion

If swallowed wash mouth and seek medical advice immediately and show the doctor the package or label.

## Section 5 - Fire fighting measures

### Suitable extinguishing media

Fire class B (melting plastics)

- Water spray
- Dry powder extinguisher
- CO<sub>2</sub> extinguisher

### Unsuitable extinguishing media

Water jet, M28/L2, wet chemical.

### Special hazards

During combustion particular danger arises of burning drops. Harmful gases may be generated like carbon monoxide, carbon dioxide, nitrogen monoxide, nitrogen dioxide.

### Protection to the fire fighters

Do not approach fire in confined space without positive pressure self-contained breathing apparatus and full bunker gear, bunker coats, helmet with face shield, gloves and rubber boots.

### Fire prevention notes

Polyolefin foams consist mainly of polyethylene (PE) and is therefore combustible. Apply common measures of fire prevention. Keep away from heat/sparks/open flames/hot surfaces. No smoking.

### Chemical substances to avoid

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

## Section 6 - Accidental release measures

Personal precautions	None
Environmental precautions	Non applicable
Cleaning equipment	Non applicable

## Section 7 - Handling and storage

### Handling

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

If combustible solvent vapor or dust of any kind is present in the ambient air, use grounding or ionizing 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.

### Storage

Storage class 11

## Section 8 - Exposure controls/personal protection

### General protective measures

Avoid contact of molten material with skin. For processing above the melting point of the polymer please take care for very well ventilated rooms.

### Personal protection equipment (PPE)

Choose work center specific protection.

## Section 9 - Physical and chemical properties

### Appearance

■ Physical state at 23 °C	Solid
■ Color	Colored
■ Odor	Hardly noticeable
■ Melting point	105 – 110 °C
■ Ignition temperature	> 300 °C
■ Solubility in water	Insoluble

## Section 10 - Stability and reactivity

Dangerous products of decomposition, e.g. carbon monoxide, carbon dioxide, nitrogen monoxide, nitrogen dioxide can occur.

## Section 11 - Toxicological information

No indications on irritability and sensitization; only hardly noticeable odor.

## Section 12 - Ecological information

Remarks for classification	The product does not require a hazard warning label in accordance with EC Directives
Class harm to water	Non-hazardous to waters (Netherlands)
Especially national requirements	None



## Section 13 - Remarks on disposal

### Recommendation

The polyolefin foams can feed circular and thermal recycling.

### Possible Waste Codes According to European Waste Catalogue (EWC)

Please agree with your disposal company the correct waste code for your product.

#### Waste code

07 02 13	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
20 01 39	Municipal wastes: plastics

### Packaging

The polyolefin foams can feed circular and thermal recycling.

## Section 14 - Transport information

The product is inert and biologically/chemically inactive and therefore poses no danger during transport (i.e. a specific 'transport hazard class' is not relevant).

## Section 15 - Regulatory information

Remarks for classification	The product does not require a hazard warning label in with EC Directives
Class harm to water	Non-hazardous to waters (Netherlands)
Especially national requirements	None

## Section 16 - Other information

### Regulations

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

### Internet

ECHA - <http://echa.europa.eu/web/guest/candidate-list-table>

ECHA - <https://echa.europa.eu/de/information-on-chemicals/registered-substances>

### Waste code

<https://eur-lex.europa.eu/homepage.html?locale=en>