

**EVO-STIK ALL SEASONS FOAM FILLER**  
Supersedes Date: 29-Jun-2017

Revision Date 29-Jun-2017  
Version 1

**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product Identifier**

**Product Name** EVO-STIK ALL SEASONS FOAM FILLER  
**Pure substance/mixture** Mixture

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

**Recommended use** Building and construction work. Foam.  
**Uses advised against** None known

**1.3. Details of the supplier of the safety data sheet**

**Company Name**

Bostik BV  
De Voerman 8  
PO Box 303  
5215 MH's-Hertogenbosch, The Netherlands  
Tel: +31 736 244 244  
Fax: +31 736 244 344

**E-mail address** SDS.box-EU@bostik.com

**1.4. Emergency telephone number**

<b>United Kingdom</b>	+44 (1785) 272650
<b>Ireland</b>	+353 (1) 8624900 (Monday- Friday 9am-5pm)

**Section 2: HAZARD IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

<b>Acute toxicity - Inhalation (Dusts/Mists)</b>	Category 4 - (H332)
<b>Skin Corrosion/Irritation</b>	Category 2 - (H315)
<b>Serious eye damage/eye irritation</b>	Category 2 - (H319)
<b>Respiratory sensitisation</b>	Category 1 - (H334)
<b>Skin sensitisation</b>	Category 1 - (H317)
<b>Carcinogenicity</b>	Category 2 - (H351)
<b>Effects on or via lactation</b>	yes - (H362)
<b>Specific target organ toxicity (single exposure)</b>	Category 3 - (H335)
<b>Specific target organ toxicity (repeated exposure)</b>	Category 2 - (H373)
<b>Chronic aquatic toxicity</b>	Category 4 - (H413)
<b>Aerosols</b>	Category 1 - (H222, H229)

**2.2. Label Elements**

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Contains Isocyanic acid, polymethylenepolyphenylene ester, Alkanes, C14-17, chloro

# Safety Data Sheet

EVO-STIK ALL SEASONS FOAM FILLER  
Supercedes Date: 29-Jun-2017

Revision Date 29-Jun-2017  
Version 1



**Signal Word**  
DANGER

## Hazard statements

H222 - Extremely flammable aerosol  
H229 - Pressurised container: May burst if heated  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H335 - May cause respiratory irritation  
H351 - Suspected of causing cancer  
H362 - May cause harm to breast-fed children  
H373 - May cause damage to organs through prolonged or repeated exposure  
H413 - May cause long lasting harmful effects to aquatic life

## Special provisions concerning the labelling of certain mixtures

EUH204 - Contains isocyanates. May produce an allergic reaction

## Precautionary Statements - EU (§28, 1272/2008)

P103 - Read label before use  
P102 - Keep out of reach of children  
P101 - If medical advice is needed, have product container or label at hand  
P280 - Wear protective gloves and eye/face protection  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P211 - Do not spray on an open flame or other ignition source  
P260 - Do not breathe spray  
P271 - Use only outdoors or in a well-ventilated area  
P251 - Pressurized container: Do not pierce or burn, even after use  
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F  
P302 + P350 - IF ON SKIN: Gently wash with plenty of soap and water  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P263 - Avoid contact during pregnancy/while nursing  
P312 - Call a POISON CENTER or doctor if you feel unwell  
P273 - Avoid release to the environment  
P501 - Dispose of contents/ container to an approved waste disposal plant

## Additional information

This product requires tactile warnings if supplied to the general public

## 2.3. Other Hazards

### General Hazards

No information available.

### PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

# Safety Data Sheet

EVO-STIK ALL SEASONS FOAM FILLER  
Supersedes Date: 29-Jun-2017

Revision Date 29-Jun-2017  
Version 1

Mixture

## 3.2 Mixtures

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Isocyanic acid, polymethylenepolyphenylene ester	618-498-9	9016-87-9	40 - <80	STOT SE 3 (H335) STOT RE 2 (H373) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Carc. 2 (H351) Acute Tox. 4 (H332)	STOT SE 3 :: C>=5% Skin Irrit. 2 :: C>=5% Eye Irrit. 2 :: C>=5% Resp. Sens. 1 :: C>=0.1%	Exempt(P)
Alkanes, C14-17, chloro	287-477-0	85535-85-9	10 - <20	Lact. (H362) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH066)		01-2119519269-33 -XXXX
2-Propanol, 1-chloro-, phosphate (3:1)	237-158-7	13674-84-5	10 - <20	Acute Tox. 4 (H302)		01-2119480419-30 -XXXX
Propane	200-827-9	74-98-6	5 - <10	Flam. Gas 1 (H220) Press. Gas		01-2119486944-21 -XXXX
Isobutane	200-857-2	75-28-5	5 - <10	Flam. Gas 1 (H220) Press. Gas		01-2119485395-27 -XXXX
Dimethyl ether	204-065-8	115-10-6	5 - <10	Flam. Gas 1 (H220) Press. Gas		01-2119472128-37 -XXXX

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL.

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General Advice</b>	Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.
<b>Inhalation</b>	Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult.
<b>Skin Contact</b>	In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a doctor.

# Safety Data Sheet

EVO-STIK ALL SEASONS FOAM FILLER  
Supersedes Date: 29-Jun-2017

Revision Date 29-Jun-2017  
Version 1

**Ingestion** Do NOT induce vomiting. If symptoms persist, call a doctor. Drink plenty of water. Rinse mouth. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a doctor.

**Self-protection of the first aider** Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms** None known.

#### 4.3. Indication of any immediate medical attention and special treatment needed

**Note to doctors** Keep victim warm and quiet.

### **Section 5: FIRE-FIGHTING MEASURES**

#### 5.1. Extinguishing media

##### **Suitable Extinguishing Media**

Use extinguishing agent suitable for type of surrounding fire. Dry chemical or CO<sub>2</sub>. Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists.

##### **Unsuitable Extinguishing Media**

Full water jet

#### 5.2. Special hazards arising from the substance or mixture

Some may burn but none ignite readily. Ruptured cylinders may rocket.

**Hazardous Combustion Products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Hydrogen chloride. Hydrogen cyanide. Formaldehyde.

#### 5.3. Advice for firefighters

Caution! Container under pressure. Heating causes rise in pressure with risk of bursting. Cool container with water spray.

### **Section 6: ACCIDENTAL RELEASE MEASURES**

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### **Personal Precautions**

Remove all possible sources of ignition in the surrounding area. Ensure adequate ventilation, especially in confined areas.

Ventilate the area.

##### **For emergency responders**

Use personal protection recommended in Section 8.

#### 6.2. Environmental precautions

Use water spray to reduce vapours or divert vapour cloud drift. Avoid allowing water runoff to contact spilled material. Prevent entry into waterways, sewers, basements or confined areas.

#### 6.3. Methods and material for containment and cleaning up

**Methods for Containment** If possible, turn leaking containers so that gas escapes rather than liquid. Allow substance to evaporate.

**Methods for cleaning up** Do not direct water at spill or source of leak.

#### 6.4. Reference to other sections



# Safety Data Sheet

EVO-STIK ALL SEASONS FOAM FILLER  
Supersedes Date: 29-Jun-2017

Revision Date 29-Jun-2017  
Version 1

**Environmental Exposure Controls** Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Foam
Colour	Light green
Odour	Characteristic
Odour Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point/freezing point	No information available	
Boiling Point	No information available	
Flash Point	No information available	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapour Pressure	No information available	
Vapour Density	No information available	
Relative Density	No information available	
Water Solubility	Immiscible in water	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	235 °C / 455 °F	
Decomposition Temperature	No information available	
Explosive Properties	No information available	
Explosive Limits	No information available	
Upper	No information available	
Lower	No information available	
Oxidising Properties	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	

### 9.2. Other information

Softening Point	No information available
Molecular Weight	No information available
Solvent content (%)	No information available
Solid content (%)	No information available
Density	0.985 g/cm <sup>3</sup>
Bulk Density	No Data Available
VOC content (%)	18.35 %

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

None under normal use conditions.

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

### 10.3. Possibility of hazardous reactions

# Safety Data Sheet

EVO-STIK ALL SEASONS FOAM FILLER  
Supercedes Date: 29-Jun-2017

Revision Date 29-Jun-2017  
Version 1

## Possibility of Hazardous Reactions

None under normal processing.

### 10.4. Conditions to avoid

Heating causes rise in pressure with risk of bursting.

### 10.5. Incompatible materials

Strong oxidising agents. Acid anhydrides. Strong acids.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Hydrogen chloride. Hydrogen cyanide. Formaldehyde.

## Section 11: TOXICOLOGY INFORMATION

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure

#### Product Information

Harmful by inhalation.

Inhalation	No Data Available.
Eye contact	No Data Available.
Skin Contact	No Data Available.
Ingestion	No Data Available.
Sensitisation	May cause sensitisation by skin contact. May cause sensitisation by inhalation.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin Corrosion/Irritation	Irritant effect on the skin.
Serious eye damage/eye irritation	Irritating to eyes.
Sensitisation	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Carcinogenicity	Contains a known or suspected carcinogen.
Reproductive Toxicity	No information available.
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.
Target Organ Effects	Heart, Central nervous system.
Aspiration Hazard	No information available.

#### Numerical measures of toxicity

#### Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document  
ATEmix (oral) 5,357.00 mg/kg

# Safety Data Sheet

EVO-STIK ALL SEASONS FOAM FILLER  
Supersedes Date: 29-Jun-2017

Revision Date 29-Jun-2017  
Version 1

ATEmix (dermal) 6,458.00 mg/kg  
ATEmix (inhalation-dust/mist) 1.50 mg/l

## Component Information

Toxicity Data No information available

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isocyanic acid, polymethylenepolyphenylene ester 9016-87-9	LD 50 > 10000 mg/kg ( Rat )	LD 50 > 9400 mg/kg ( Rabbit )	=1.5 mg/m <sup>3</sup> ( Rat ) 4 h
2-Propanol, 1-chloro-, phosphate (3:1) 13674-84-5	= 1500 mg/kg ( Rat )	= 1230 mg/kg ( Rabbit )	> 4.6 mg/L ( Rat ) 4 h
Alkanes, C14-17, chloro 85535-85-9	> 4000 mg/kg (rat)	> 2000 mg/kg (rat)	-

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Ecotoxicity

Cured foam has no C14-C17 chloroalkanes leaching in water for a maximum 20% C14-C17 chloroalkanes in mixture. Study: "Pulverized PU Foam HM23. Leaching study, Limit test" by Dr. Christine Jahns and sponsored by FEICA AISBL, 09.12.2014 May cause long lasting harmful effects to aquatic life

### Component Information

Data obtained on the component(s) include

Chemical Name	Algae/aquatic plants	Fish	Crustacea	M-Factor
Isocyanic acid, polymethylenepolyphenylene ester 9016-87-9	ErC50 (72h) >1640 mg/L Algae (scenedesmus subspicatus) (OECD 201)	CL50 (96h) >1000 mg/L Fish (Danio rerio)	EC50 (24H) >1000 mg/L Daphnia magna	
Alkanes, C14-17, chloro 85535-85-9	-	LC50 48 h > 500 mg/L (Leuciscus idus static)	EC50 (48h) = 0.0059 mg/l (Daphnia magna) OECD 202	
2-Propanol, 1-chloro-, phosphate (3:1) 13674-84-5	EC50 72 h = 45 mg/L (Desmodesmus subspicatus)	LC50 96 h = 30 mg/L (Poecilia reticulata static)	EC50 48 h = 63 mg/L (Daphnia magna )	

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

Partition coefficient No information available

### 12.4. Mobility in soil

Mobility in soil No information available.

### 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 12.6. Other Adverse Effects

No information available



# Safety Data Sheet

EVO-STIK ALL SEASONS FOAM FILLER  
Supersedes Date: 29-Jun-2017

Revision Date 29-Jun-2017  
Version 1

## Endocrine Disruptor Information

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances
Alkanes, C14-17, chloro 85535-85-9	Group III Chemical	

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

<b>Waste from Residues/Unused Products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal.
<b>European Waste Catalogue</b>	08 05 01* waste isocyanates 16 05 04* gases in pressure containers (including halons) containing dangerous substances
<b>OTHER INFORMATION</b>	Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORTATION INFORMATION

### ADR

14.1 UN/ID no	UN1950
14.2 Proper Shipping Name	Aerosols, Environmentally Hazardous
14.3 Hazard Class	2.1
Hazard Labels	2.1
14.4 Packing Group	Not regulated
Description	UN1950, Aerosols, 2.1, Environmentally Hazardous
14.5 Environmental Hazard	yes
14.6 Special Provisions	190, 327, 344, 625
Classification Code	5F
Tunnel restriction code	(D)
Limited Quantity (LQ)	1 L

### IMDG

14.1 UN/ID no	UN1950
14.2 Proper Shipping Name	Aerosols (Alkanes, C14-17, chloro), Marine Pollutant
14.3 Hazard Class	2.1
14.4 Packing Group	Not regulated
Description	UN1950, Aerosols (Alkanes, C14-17, chloro), 2.1, Marine Pollutant
14.5 Marine Pollutant	P
	This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO
14.6 Special Provisions	63, 190, 277, 327, 344, 959
Limited Quantity (LQ)	See SP277
EmS-No	F-D, S-U
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

### RID

14.1 UN/ID no	UN1950
14.2 Proper Shipping Name	Aerosols, Environmentally Hazardous
14.3 Hazard Class	2.1
14.4 Packing Group	Not regulated
Description	UN1950, Aerosols, 2.1, Environmentally Hazardous
14.5 Environmental Hazard	yes
Classification Code	5F

# Safety Data Sheet

EVO-STIK ALL SEASONS FOAM FILLER  
Supersedes Date: 29-Jun-2017

Revision Date 29-Jun-2017  
Version 1

---

<b>14.6 Special Provisions</b>	None
<b>Limited Quantity (LQ)</b>	1 L
<b>ICAO (air)</b>	
<b>14.1 UN/ID no</b>	UN1950
<b>14.2 Proper Shipping Name</b>	Aerosols
<b>14.3 Hazard Class</b>	2.1
<b>14.4 Packing Group</b>	Not regulated
<b>Description</b>	UN1950, Aerosols, 2.1
<b>14.5 Environmental Hazard</b>	yes
<b>14.6 Special Provisions</b>	A145, A167

<b>IATA</b>	
<b>14.1 UN/ID no</b>	UN1950
<b>14.2 Proper Shipping Name</b>	Aerosols, flammable
<b>14.3 Hazard Class</b>	2.1
<b>14.4 Packing Group</b>	Not regulated
<b>Description</b>	UN1950, Aerosols, flammable, 2.1
<b>14.5 Environmental Hazard</b>	yes
<b>14.6 Special Provisions</b>	A145, A167, A802
<b>Limited Quantity (LQ)</b>	30 kg G
<b>ERG Code</b>	10L

## Section 15: REGULATORY INFORMATION

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

#### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

##### **EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

##### **EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

##### **EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

**Dangerous substance category per Seveso Directive (2012/18/EU)**

P3a - FLAMMABLE AEROSOLS

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

# Safety Data Sheet

EVO-STIK ALL SEASONS FOAM FILLER  
Supersedes Date: 29-Jun-2017

Revision Date 29-Jun-2017  
Version 1

**Persistent Organic Pollutants**  
Not applicable

## 15.2. Chemical safety assessment

None

## **Section 16: OTHER INFORMATION**

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed  
H362 - May cause harm to breast-fed children  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
H335 - May cause respiratory irritation  
H373 - May cause damage to organs through prolonged or repeated exposure if inhaled  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H317 - May cause an allergic skin reaction  
H351 - Suspected of causing cancer if inhaled  
H332 - Harmful if inhaled  
EUH066 - Repeated exposure may cause skin dryness or cracking

#### **Legend**

SVHC: Substances of Very High Concern for Authorisation:

#### **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals  
STOT (RE): Specific target organ toxicity - Repeated exposure  
STOT (SE): Specific target organ toxicity - Single exposure  
EWC: European Waste Catalogue

#### **Key literature references and sources for data**

Classification and labeling data calculated from data received from raw material suppliers

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 29-Jun-2017

#### Indication of changes

**Revision Note** Not applicable.

**Training Advice** No information available

**Additional information** No information available

**This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006**

#### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process,

# Safety Data Sheet

**EVO-STIK ALL SEASONS FOAM FILLER**  
**Supersedes Date:** 29-Jun-2017

**Revision Date** 29-Jun-2017  
**Version** 1

---

unless specified in the text.

**End of Safety Data Sheet**