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Version number 39 (replaces version 38)

Revision: 30.07.2024

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

- · Trade name: BTK PU FOAM TILES B3 AE 750ML*12 IT
- · **UFI:** HN10-60HQ-E00F-8XR4
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- · Application of the substance / the mixture Sealant

· 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Bison International Dr.A.F.Philipsstraat 9 NL-4462 EW Goes PO Box 160 NL-4460 AD Goes tel. +31 88 3235700 fax. +31 88 3235800 e mail: sds@boltonadhesives.com

· Further information obtainable from: PSRA

1.4 Emergency telephone number:

Bison and Griffon products: +31 88 3235700. Operating hours mo-fr 08:00h-17:00h (CET) UHU products: + 49 (0) 30/19240 (Notruf). Operating hours mo-fr 08:00h-17:00h (CET)

For detailed information contact the national Poison Centre @ https://poisoncentres.echa.europa.eu/appointed-bodies

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008

GHS02	flame	
Aerosol 1	H222-H22	29 Extremely flammable aerosol. Pressurised container: May burst if heated.
GHS08	health haza	ard
Resp. Sens. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2	H351	Suspected of causing cancer.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
GHS07	,	
Acute Tox. 4	H332	Harmful if inhaled. (Contd. on page 2)
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Version number 39 (replaces version 38) Revision: 30.07.2024 Printing date 30.07.2024 Trade name: BTK PU FOAM TILES B3 AE 750ML*12 IT (Contd. of page 1) Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. STOT SE 3 May cause respiratory irritation. H335 H362 May cause harm to breast-fed children. Lact. Aquatic Chronic 4 H413 May cause long lasting harmful effects to aquatic life. · 2.2 Label elements · Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. Hazard pictograms GHS02 GHS07 GHS08 · Signal word Danger · Hazard-determining components of labelling: diphenylmethanediisocyanate, isomeres and homologues alkanes, C14-17, chloro **Hazard statements** H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. H332 Harmful 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. H362 May cause harm to breast-fed children. H335 May cause respiratory irritation. H373 May cause damage to organs through prolonged or repeated exposure. H413 May cause long lasting harmful effects to aquatic life. **Precautionary statements** If medical advice is needed, have product container or label at hand. P101 P102 Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. P210 No smokina. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P260 Do not breathe vapours. P280 Wear protective gloves / eye protection. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 Dispose of contents/container in accordance with national regulations. Additional information: EUH204 Contains isocyanates. May produce an allergic reaction. As from 24 August 2023 adequate training is required before industrial or professional use.

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· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT:

85535-85-9 alkanes, C14-17, chloro

· vPvB:

85535-85-9 alkanes, C14-17, chloro

3.2 Mixtures Description: Sealant		
Dangerous components:		
CAS: 9016-87-9 Reg.nr.: 01-2119457024-46	diphenylmethanediisocyanate, isomeres and homologues	50-100%
CAS: 85535-85-9 EINECS: 287-477-0 Index number: 602-095-00-X Reg.nr.: 01-2119519269-33	alkanes, C14-17, chloro Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Lact., H362, EUH066 PBT; vPvB	≥10-<25%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane ॊ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	2.5-10%
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimethyl ether	2.5-10%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21- XXXX	propane	2.5-10%
SVHC 85535-85-9 alkanes, C14-17, 0		

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SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• After inhalation:

Supply fresh air and to be sure call for a doctor.

- In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing: If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- · 5.3 Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to section 13.

- Ensure adequate ventilation.
- 6.4 Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
- Information about fire and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

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Keep respiratory protective device available.

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Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

• 7.2 Conditions for safe storage, including any incompatibilities

- · Storage:
- Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- · Storage class: 2 B
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

115-10-6 dimethyl ether

IOELV Long-term value: 1920 mg/m³, 1000 ppm

- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:
- The usual precautionary measures are to be adhered to when handling chemicals.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Do not inhale gases / fumes / aerosols.
- Avoid contact with the eyes and skin.
- · Respiratory protection: Not required.
- Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves** Recommended thickness of the material: > 0,12 mm Nitrile rubber, NBR
- **Penetration time of glove material** For the mixture of chemicals mentioned below the penetration time has to be at least 10 minutes (Permeation according to EN 374 Part 3: Level 1).

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• Eye/face protection Safety glasses



Tightly sealed goggles

· Body protection: Use protective suit.

9.1 Information on basic physical and ch	emical properties
General Information	
· Physical state	Aerosol
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
 Melting point/freezing point: 	Undetermined.
Boiling point or initial boiling point and	
boiling range	-44.5 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	1.8 Vol %
· Upper:	8.5 Vol %
· Flash point:	-97 °C
Auto-ignition temperature:	235 °C
Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log	
value)	Not determined.
· Vapour pressure at 25 °C:	0 hPa
[•] Density and/or relative density	
· Density at 20 °C:	1.009 g/cm³
· Relative density	Not determined.
· Vapour density	Not determined.
9.2 Other information	All relevant physical data were determined for the mixture. All non-determined data are no measurable or not relevant for the characterization of the mixture.
· Appearance:	
Form:	Aerosol



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Important information on protection of hea	alth
and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of
	explosive air/vapour mixtures are possible.
Solvent content:	
Organic solvents:	12.5 %
Solids content:	80.0 %
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical haz	ard
classes	
Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurise
	container: May burst if heated.
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit	
flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- · 10.2 Chemical stability
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions
- Reacts with alcohols.
- Reacts with water.
- Reacts with alkali, amines and strong acids.
- **10.4 Conditions to avoid** No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: Danger of forming toxic pyrolysis products.

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SECTION 11: Toxicological information 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 · Acute toxicity Harmful if inhaled. · LD/LC50 values relevant for classification: 115-10-6 dimethyl ether Inhalative LC50/4 h 308 mg/l (rat) · Skin corrosion/irritation Causes skin irritation. Serious eye damage/irritation Causes serious eye irritation. **Respiratory or skin sensitisation** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Germ cell mutagenicity Not applicable. Based on available data, the classification criteria are not met. Carcinogenicity Suspected of causing cancer. · Reproductive toxicity May cause harm to breast-fed children. · **STOT-single exposure** May cause respiratory irritation. • STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. · Aspiration hazard Based on available data, the classification criteria are not met. • Additional toxicological information: · Acute effects (acute toxicity, irritation and corrosivity) Not applicable. · Sensitisation Not applicable. · Repeated dose toxicity Not applicable. · 11.2 Information on other hazards Endocrine disrupting properties None of the ingredients is listed. **SECTION 12: Ecological information**

- · 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment

· PBT:

85535-85-9 alkanes, C14-17, chloro

· vPvB:

85535-85-9 alkanes, C14-17, chloro

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

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12.7 Other adverse effects

· Additional ecological information:

· General notes:

Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

Uncleaned packaging:

· Recommendation:

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

· 14.1 UN number or ID number · ADR/ADN, IMDG, IATA	UN1950
· 14.2 UN proper shipping name · ADR/ADN · IMDG · IATA	1950 AEROSOLS AEROSOLS AEROSOLS, flammable
• 14.3 Transport hazard class(es) • ADR/ADN	
· Class · Label	2 5F Gases. 2.1
· Class · Label	2 Gases. 2.1
· 14.4 Packing group · ADR/ADN, IMDG, IATA	not regulated



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14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Hazard identification number (Kemler code):	Warning: Gases. -
EMS Number:	F-D,S-U
Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacit of 1 litre: Category A. For AEROSOLS with capacity above 1 litre: Category B. For WAST AEROSOLS: Category C, Clear of living quarters
Segregation Code	SG69 For AEROSOLS with a maximum capacit of 1 litre: Segregation as for class 9. Stow "separated from
	class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of
	class 2.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
Quantity limitations	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
ADR/ADN	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
Transport category Tunnel restriction code	2 D
	ע
IMDG	
Limited quantities (LQ)	1L Code: 50
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
	, , ,
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

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

- · Directive 2012/18/EU
- Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category P3a FLAMMABLE AEROSOLS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

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Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
 REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

 DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

· Other regulations, limitations and prohibitive regulations

• Substances of very high concern (SVHC) according to REACH, Article 57

85535-85-9 alkanes, C14-17, chloro

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- H220 Extremely flammable gas.
- H280 Contains gas under pressure; may explode 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.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

EUH204 Contains isocyanates. May produce an allergic reaction.

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Aerosols, Section 2.3.1	
	Bridging principles
Acute toxicity - inhalation Skin corrosion/irritation Serious eye damage/irritation Respiratory sensitisation Skin sensitisation Carcinogenicity Reproductive toxicity Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure) Hazardous to the aquatic environment - long- term (chronic) aquatic hazard	The classification of the mixture is genera based on the calculation method usi substance data according to Regulation (EC) 1272/2008.
Date of previous version: 17.05.2024 Version number of previous version: 38 Abbreviations and acronyms: ADR: Accord relatif au transport international des marchar	