

Printing date 03.08.2023

Version number 20 (replaces version 19)

Revision: 03.08.2023

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

#### 1.1 Product identifier

- · Trade name: BTK PU CONS B3 AER 750ML\*12 IT
- · **UFI:** UQ10-Q073-Q00Y-W9A6
- **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: Bison QESH
- **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 flam	е
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Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

GHS08 health hazard

H332

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		

Harmful if inhaled.

Acute Tox. 4

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Skin Irrit.	2	H315	Causes skin irritation.
Eye Irrit. 2	2	H319	Causes serious eye irritation.
Skin Sens	s. 1	H317	May cause an allergic skin reaction.
STOT SE	3	H335	May cause respiratory irritation.
		11000	
Lact.		H362	May cause harm to breast-fed children.
Aquatic C	hronic 4	H413	May cause long lasting harmful effects to aquatic life.
2.2 Label	alamant		
		-	gulation (EC) No 1272/2008
			d labelled according to the CLP regulation.
Hazard p			
	lotogran		
	$\mathbf{\Lambda}$		
<b>&lt; {} &gt;</b>	>	$\langle J_{2} \rangle$	
$\checkmark$	$\mathbf{V}$		
GHS02	GHS07	GHS08	
Signal w	ord Dang	er	
-	-		evente of lebelling.
			onents of labelling:
			te, isomeres and homologues
alkanes, (			
Hazard s			nable corecal Drocourized container. May hypet if heated
			nable aerosol. Pressurised container: May burst if heated.
H332		ul if inhale	
H315 H319		s skin irrit	
H334			eye irritation. gy or asthma symptoms or breathing difficulties if inhaled.
нзз4 Н317			gy of astrina symptoms of breathing difficulties if inhaled.
H351			ausing cancer.
H362			n to breast-fed children.
H335			iratory irritation.
H373			age to organs through prolonged or repeated exposure.
H413			lasting harmful effects to aquatic life.
Precautio			
P101			e is needed, have product container or label at hand.
P102			ch of children.
P210			m heat, hot surfaces, sparks, open flames and other ignition sources
. 2.0		oking.	in near, net canadoo, opanio, opon namos and othor ignition sources
P211			n an open flame or other ignition source.
P251			r burn, even after use.
P260		t breathe	
P263			uring pregnancy and while nursing.
P280			gloves/protective clothing/eye protection/face protection.
			nlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501			tents/container in accordance with national regulations.
Addition	•		5
			tes. May produce an allergic reaction.
			equate training is required before industrial or professional use.

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 Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; $\bigcirc$ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Skin Irrit. 2; H315: $C \ge 5 \%$ Eye Irrit. 2; H319: $C \ge 5 \%$ Resp. Sens. 1; H334: $C \ge 0.1 \%$ STOT SE 3; H335: $C \ge 5 \%$	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: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane	2.5-10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane	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%
SVHC		

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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 item 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/m<sup>3</sup>, 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 item 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.

<b>SECTION 9: Physical and chemical</b>	properties
· 9.1 Information on basic physical and chen	nical properties
General Information	
· Physical state	Aerosol
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
<ul> <li>Melting point/freezing point:</li> </ul>	Undetermined.
Boiling point or initial boiling point and	
boiling range	-44.5 °C
· Flammability	Not applicable.
Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
Flash point:	-97 °C
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 not
	measurable or not relevant for the
	characterization of the mixture.
· Appearance:	
Form:	Fluid
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Important information on protection of hea	alth
and environment, and on safety.	
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation
	explosive air/vapour mixtures are possible.
Solvent content:	
Organic solvents:	10.0 %
Solids content:	85.0 %
Change in condition	
Evaporation rate	Not applicable.
Information with record to physical box	
Information with regard to physical haz	ard
classes	\/-:-l
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 No dangerous reactions known.
- 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.

#### **SECTION 11: Toxicological information**

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

· Acute toxicity Harmful if inhaled.

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LD/LC50 values rele	evant for classification:
115-10-6 dimethyl e	ther
Inhalative LC50/4 h	308 mg/l (rat)
Skin corrosion/irrita	tion
Causes skin irritation	
Serious eye damage	e/irritation
Causes serious eye i	rritation.
Respiratory or skin	sensitisation
	asthma symptoms or breathing difficulties if inhaled.
May cause an allergi	
Germ cell mutageni	city
Not applicable.	
	ata, the classification criteria are not met.
	spected of causing cancer.
	<b>ty</b> May cause harm to breast-fed children.
	<b>re</b> May cause respiratory irritation.
	<b>osure</b> May cause damage to organs through prolonged or repeated exposur ased on available data, the classification criteria are not met.
Additional toxicolog	gical information:
Acute effects (acute	toxicity, irritation and corrosivity) Not applicable.
Sensitisation Not ap	plicable.
Repeated dose toxi	city Not applicable.
11.2 Information on	other hazards
Endocrine disruptir	g properties
None of the ingredier	nts 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.

· 12.7 Other adverse effects

### · Additional ecological information:

· General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system.

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Danger to drinking water if even small quantities leak into the ground.

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# **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.

SECTION 14: Transport informati	
<sup>.</sup> 14.1 UN number or ID number <sup>.</sup> ADR/ADN, IMDG, IATA	UN1950
· 14.2 UN proper shipping name · ADR/ADN · IMDG, IATA	1950 AEROSOLS AEROSOLS
· 14.3 Transport hazard class(es)	
ADR/ADN	
· Class · Label	2 5F Gases. 2.1
· IMDG, IATA	
· Class	2 Gases.
· Label	2.1
<sup>·</sup> 14.4 Packing group <sup>·</sup> ADR/ADN, IMDG, IATA	not regulated
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Gases.
<ul> <li>Hazard identification number (Kemler c</li> <li>EMS Number:</li> </ul>	
· EMS Number: · Stowage Code	F-D,S-U SW1 Protected from sources of heat.
	SW22 For AEROSOLS with a maximum capacity
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· · Segregation Code	of 1 litre: Category A. For AEROSOLS with capacity above 1 litre: Category B. For WAST AEROSOLS: Category C, Clear of living quarters 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.
<ul> <li>14.7 Maritime transport in bulk according to IMO instruments</li> </ul>	Not applicable.
<ul> <li>Transport/Additional information:</li> <li>Quantity limitations</li> </ul>	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
<ul> <li>ADR/ADN</li> <li>Limited quantities (LQ)</li> <li>Excepted quantities (EQ)</li> <li>Transport category</li> <li>Tunnel restriction code</li> </ul>	1L Code: E0 Not permitted as Excepted Quantity 2 D
· IMDG · Limited quantities (LQ)	1L
<sup>.</sup> Excepted quantities (EQ) <sup>.</sup> Remarks:	Code: E0 Not permitted as Excepted Quantity Under certain conditions substances in Class (flammable liquids) can be classified i packinggroup III. See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.2

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

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 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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Apropala Caption 2.2.1	
Aerosols, Section 2.3.1	Bridging principles
Acute toxicity - inhalation Skin corrosion/irritation Serious eye damage/irritation Respiratory sensitisation Skin sensitisation Carcinogenicity 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 general based on the calculation method usin substance data according to Regulation (EC) N 1272/2008.
<ul> <li>Date of previous version: 04.07.2022</li> <li>Version number of previous version: 19</li> <li>Abbreviations and acronyms: ADR: Accord relatif au transport international des marcha</li> </ul>	
the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and La EINECS: European Inventory of Existing Commercial Cher ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the Americar LC50: Lethal concentration, 50 percent DBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Flam. Gas 1A: Flammable gases – Category 1A Aerosol 1: Aerosols – Category 1 Press. Gas (Comp.): Gases under pressure – Compressed Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 1	nical Substances Chemical Society) gas