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

. 1.1 Product identifier

. Trade name: BOSTIK SMALTO RITOCCO FPB 65ML*12 IT

. **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 Adhesive

. 1.3 Details of the supplier of the safety data sheet

. Manufacturer(1)/Supplier(2):

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: +31 88 3235700

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008
GHS02 flame
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
GHS05 corrosion
Eye Dam. 1 H318 Causes serious eye damage.
GHS07
Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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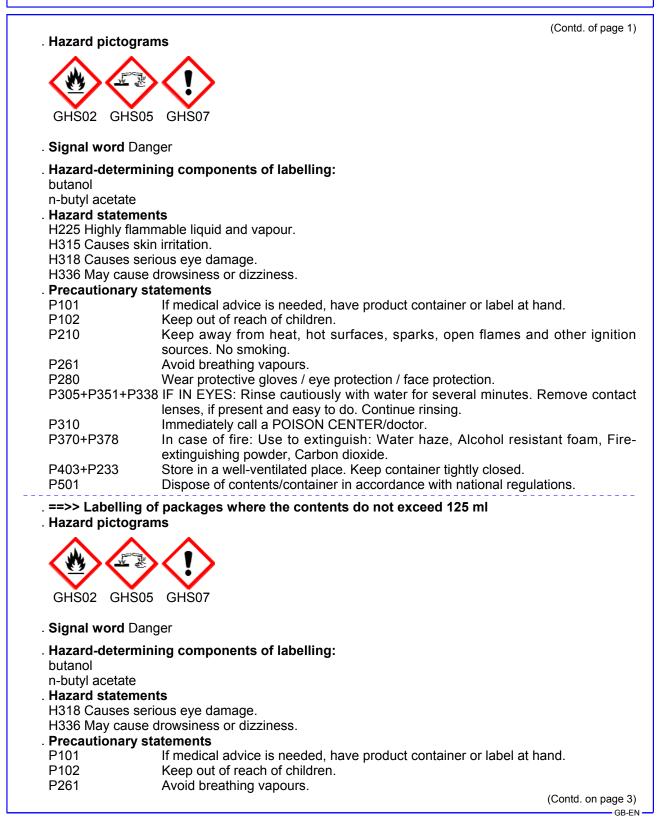
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(Contd. of page 2) Wear protective gloves/protective clothing/eye protection/face protection. P280 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. P310

Dispose of contents/container in accordance with national regulations.

. 2.3 Other hazards

P501

. Results of PBT and vPvB assessment

- . PBT: Not applicable.
- . vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- . 3.2 Mixtures
- . Description: Adhesive

CAS: 123-86-4	n-butyl acetate	10-25%
EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	♦ Flam. Liq. 3, H226; ♦ STOT SE 3, H336	10 20 /0
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	xylene (mix)	10-25%
CAS: 123-42-2 EINECS: 204-626-7	4-hydroxy-4-methylpentan-2-one	2.5-10%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	2.5-10%
CAS: 78-83-1 EINECS: 201-148-0 Reg.nr.: 01-2119484609-23	butanol ♦ Flam. Liq. 3, H226; ♦ Eye Dam. 1, H318; ♦ Skin Irrit. 2, H315; STOT SE 3, H335-H336	2.5-10%
CAS: 79-20-9 EINECS: 201-185-2 Reg.nr.: 01-2119459211-47	methyl acetate Flam. Liq. 2, H225; () Eye Irrit. 2, H319; STOT SE 3, H336	1.0-2.5%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-21194663267-34	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226	1.0-2.5%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35	ethylbenzene	1.0-2.5%
CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51	toluene Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	1.0-2.5%
CAS: 67-56-1 EINECS: 200-659-6 Reg.nr.: 01-2119433307-44	methanol	<1.0%



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(Contd. of page 3) • Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- . 4.1 Description of first aid measures
- . General information: No special measures required.
- . After inhalation:

In case of unconsciousness place patient stable in side position for transportation. Call a doctor immediately.

. After skin contact: Immediately wash with water and soap and rinse thoroughly.

. After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

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

Do not induce vomiting; call for medical help immediately.

Rinse out mouth and then drink plenty of water.

- . **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:
- Water haze

Alcohol resistant foam

Fire-extinguishing powder

Carbon dioxide

. For safety reasons unsuitable extinguishing agents: Water with full jet

. 5.2 Special hazards arising from the substance or mixture

- No further relevant information available.
- . 5.3 Advice for firefighters
- . Protective equipment: Mount respiratory protective device.
- Additional information
- Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

. 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

- **6.2 Environmental precautions:** Prevent seepage into sewage system, workpits and cellars. Do not allow to enter sewers/ surface or ground water.
- . 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralising agent.

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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 handlingEnsure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). **Information about fire - and explosion protection:**Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

. 7.2 Conditions for safe storage, including any incompatibilities . Storage:

. Requirements to be met by storerooms and receptacles: Store in a cool location.

. Information about storage in one common storage facility: Not required.

. Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

. 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

. Additional information about design of technical facilities: No further data; see item 7.

. 8.1 Control parameters

. Ingredients with limit values that require monitoring at the workplace:		
123-86-4 n-butyl aceta	te	
WEL (Great Britain)	Short-term value: 966 mg/m ³ , 200 ppm Long-term value: 724 mg/m ³ , 150 ppm	
67-63-0 propan-2-ol		
WEL (Great Britain)	Short-term value: 1250 mg/m³, 500 ppm Long-term value: 999 mg/m³, 400 ppm	
78-83-1 butanol		
WEL (Great Britain)	Short-term value: 231 mg/m ³ , 75 ppm Long-term value: 154 mg/m ³ , 50 ppm	
79-20-9 methyl acetate		
WEL (Great Britain)	Short-term value: 770 mg/m ³ , 250 ppm Long-term value: 616 mg/m ³ , 200 ppm	
		(Contd. on page 6)



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-	
WEL (Great Britain)	Short-term value: 548 mg/m³, 100 ppm
	Long-term value: 274 mg/m³, 50 ppm
	Sk
IOELV (European Union)	
	Long-term value: 275 mg/m³, 50 ppm
	Skin
100-41-4 ethylbenzene	
WEL (Great Britain)	Short-term value: 552 mg/m ³ , 125 ppm
	Long-term value: 441 mg/m³, 100 ppm
	Sk
IOELV (European Union)	Short-term value: 884 mg/m³, 200 ppm
	Long-term value: 442 mg/m ³ , 100 ppm
	Skin
108-88-3 toluene	
WEL (Great Britain)	Short-term value: 384 mg/m ³ , 100 ppm
- (,	Long-term value: 191 mg/m ³ , 50 ppm
	Sk
67-56-1 methanol	1
WEL (Great Britain)	Short-term value: 333 mg/m³, 250 ppm
	Long-term value: 266 mg/m ³ , 200 ppm
	Sk
IOELV (European Union)	Long-term value: 260 mg/m³, 200 ppm
	Skin
Additional information:	The lists valid during the making were used as basis.
8.2 Exposure controls	
Keep away from foodstuff	hygienic measures: measures are to be adhered to when handling chemicals. fs, beverages and feed. oiled and contaminated clothing ks and at the end of work. nes / aerosols. n. es and skin.
General protective and I The usual precautionary r Keep away from foodstuff Immediately remove all so Wash hands before break Do not inhale gases / fum Avoid contact with the skin Avoid contact with the skin Avoid contact with the eye Respiratory protection: Protection of hands: PVC or PE gloves Solvent resistant gloves The glove material has	hygienic measures: measures are to be adhered to when handling chemicals. fs, beverages and feed. biled and contaminated clothing ks and at the end of work. les / aerosols. n. es and skin. Not required.
General protective and I The usual precautionary r Keep away from foodstuff Immediately remove all so Wash hands before break Do not inhale gases / fum Avoid contact with the skii Avoid contact with the eye Respiratory protection: Protection of hands: PVC or PE gloves Solvent resistant gloves	hygienic measures: measures are to be adhered to when handling chemicals. fs, beverages and feed. oiled and contaminated clothing ks and at the end of work. lies / aerosols. n. es and skin. Not required.



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(Contd. of page 6) Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Not required.
- . Penetration time of glove material
- The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- . For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:
- PVC or PE gloves

. For the permanent contact gloves made of the following materials are suitable: Nitrile rubber, NBR PVC or PE gloves

- Neoprene gloves
- . For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: PVC or PE gloves
- As protection from splashes gloves made of the following materials are suitable: PVC or PE gloves
- . Eye protection:



Tightly sealed goggles

. Body protection:

Use protective suit. Solvent resistant protective clothing

9.1 Information on basic physical and General Information Appearance:	d chemical properties	
Form:	Fluid	
Colour:	According to product specification	
. Odour:	Characteristic	
. Odour threshold:	Not determined.	
. pH-value:	Not determined.	
Change in condition Melting point/freezing point: Initial boiling point and boiling rang	Undetermined. ge: 124 °C	



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. Flash point:	2 °C
. Flammability (solid, gas):	Not applicable.
. Ignition temperature:	370 °C
. Decomposition temperature:	Not determined.
. Auto-ignition temperature:	Product is not selfigniting.
. Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
. Explosion limits: Lower: Upper:	1.1 Vol % 10.4 Vol %
. Vapour pressure at 20 °C:	10.7 hPa
 Density at 20 °C: Relative density Vapour density Evaporation rate 	1.09 g/cm ³ Not determined. Not determined. Not determined.
. Solubility in / Miscibility with water:	Not miscible or difficult to mix.
. Partition coefficient: n-octanol/water:	Not determined.
Viscosity: Dynamic: Kinematic: Organis solvents: 9.2 Other information	Not determined. Not determined. 59.0 % All relevant physical data were determined for the mixture. All non-determined data are not measurable of not relevant for the characterization of the mixture.

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 Corrosive action on metals.
- . 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 toxicological effects

. Acute toxicity Based on available data, the classification criteria are not met.

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	values role	(Contd. of pag evant for classification:
	n-butyl ac	
Oral	LD50	14000 mg/kg (rat)
		>21.0 mg/l (rat)
	xylene (n	
Oral	LD50	8700 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rbt)
		6350 mg/l (rat)
		-4-methylpentan-2-one
Oral	LD50	4000 mg/kg (rat)
Dermal	LD50	13630 mg/kg (rab)
67-63-0 p		
Oral	LD50	4570 mg/kg (rat)
Dermal	LD50	13400 mg/kg (rab)
		30 mg/l (rat)
78-83-1 b		
Oral	LD50	2460 mg/kg (rat)
Dermal	LD50	4200 mg/kg (rbt)
	ethyl acet	
Oral	LD50	6970 mg/kg (rat)
		/-1-methylethyl acetate
Oral	LD50	8500 mg/kg (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)
100-41-4	ethylbenze	ene
Oral	LD50	3500 mg/kg (rat)
Dermal	LD50	17800 mg/kg (rbt)
108-88-3 1	toluene	
Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rab)
Inhalative	LC50/4 h	5320 mg/l (mus)
67-56-1 m	ethanol	
Oral	LD50	13000 mg/kg (rat)
Serious e Causes se Respirato	osion/irrita kin irritatior ye damag erious eye ory or skin	ation n. e/irritation damage. sensitisation Based on available data, the classification criteria are not me
Germ cell Carcinog	mutagen enicity Ba	nogenity, mutagenicity and toxicity for reproduction) icity Based on available data, the classification criteria are not met. sed on available data, the classification criteria are not met. ity Based on available data, the classification criteria are not met. (Contd. on page



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. STOT-single exposure

May cause drowsiness or dizziness.

- . STOT-repeated exposure Based on available data, the classification criteria are not met.
- . Aspiration hazard Based on available data, the classification criteria are not met.

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.
- . Additional ecological information:

. General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- . 12.5 Results of PBT and vPvB assessment
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . 12.6 Other adverse effects No further relevant information available.

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.

. Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

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

. 14.1 UN-Number	
ADR/ADN, IMDG, IATA	UN1133
. 14.2 UN proper shipping name	
. ADR/ADN	1133 ADHESIVES, special provision 640D
. IMDG, IATA	ADHESIVES



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14.3 Transport hazard class(es)	
ADR/ADN	
Class	3 (F1) Flammable liquids.
Label	3
. IMDG, IATA	
. Class . Label	3 Flammable liquids. 3
14.4 Packing group	~
ADR/ADN, IMDG, IATA	II
14.5 Environmental hazards:	
Marine pollutant:	No
. 14.6 Special precautions for user . Danger code (Kemler):	Warning: Flammable liquids. 33
EMS Number:	F-E,S-D
Stowage Category	В
14.7 Transport in bulk according to An	
of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
. ADR/ADN . Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
Transport category	Maximum net quantity per outer packaging: 500 n 2
Tunnel restriction code	D/E
. IMDG	
Limited quantities (LQ)	5L Code: F2
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 n
Remarks:	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
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. UN "Model Regulation":

UN 1133 ADHESIVES, SPECIAL PROVISION 640D, 3, II

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 methanol
- . Seveso category P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 48
- . 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

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

- H361d Suspected of damaging the unborn child.
- H370 Causes damage to organs.
- H373 May cause damage to organs through prolonged or repeated exposure.
- . Department issuing SDS: Bison QESH
- . Contact:

Marketing UHU BOSTIK

Reach coördinator **Abbreviations and acronyms:**

- Flam. Liq. 2: Flammable liquids Category 2
- Flam. Liq. 2: Flammable liquids Category 2 Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 3: Acute toxicity – Category 3 Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Repr. 2: Reproductive toxicity – Category 2

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STOT SE 1: Specific target organ toxicity (single exposure) – Category 1 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Asp. Tox. 1: Aspiration hazard – Category 1

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