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

1.1 Product identifier

• Trade name: DUR PVC-U SOLV CEMENT TI 500ML*12 L202

• **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/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: +31 88 3235700. Operating hours mo-fr 08:00h-17:00h (CET)

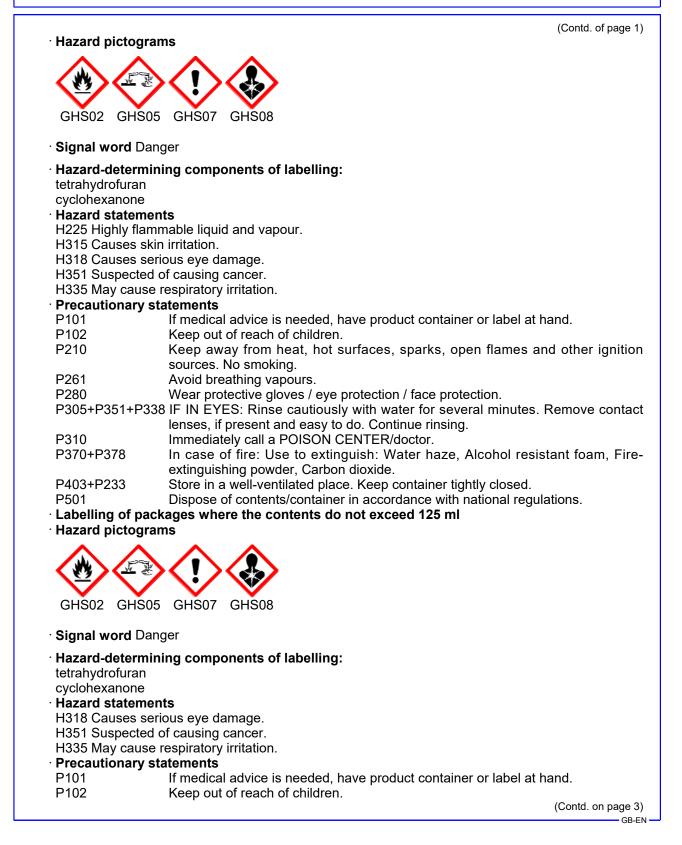
SECTION 2: Hazards identification · 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 GHS02 flame Flam. Liq. 2 H225 Highly flammable liquid and vapour. GHS08 health hazard Carc. 2 H351 Suspected of causing cancer. GHS05 corrosion Eye Dam. 1 H318 Causes serious eye damage. GHS07 Skin Irrit. 2 H315 Causes skin irritation. STOT SE 3 H335 May cause respiratory irritation. · 2.2 Label elements · Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. (Contd. on page 2)

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	(Contd. of	f page 2)
P261	Avoid breathing vapours.	
P280	Wear protective gloves / eye protection / face protection.	
P305+P351+	+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove c lenses, if present and easy to do. Continue rinsing.	contact
P310	Immediately call a POISON CENTER/doctor.	
P501	Dispose of contents/container in accordance with national regulations.	
[·] 2.3 Other ha	azards	
· Results of P	PBT and vPvB assessment	
· PBT: Not ap	oplicable.	
• vPvB: Not a	applicable.	
Determination	ion of endocrine-disrupting properties	
78-93-3 buta	tanone	List II

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Adhesive

 Dangerous components: 		
CAS: 109-99-9 EINECS: 203-726-8 Index number: 603-025-00-0 Reg.nr.: 01-2119444314-46	tetrahydrofuran	≥50-<80%
CAS: 108-94-1 EINECS: 203-631-1 Index number: 606-010-00-7 Reg.nr.: 01-2119453616-35	cyclohexanone	10-25%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43	butanone ∲ Flam. Liq. 2, H225; ∲ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	≥2.5-<10%
CAS: 128-37-0 EINECS: 204-881-4 Reg.nr.: 01-2119565113-46 01-2119555270-46	Butylated hydroxytoluene Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.025-<0.25%

• 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:

Call a doctor immediately.

In case of unconsciousness place patient stably in side position for transportation.

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

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• After eye contact:

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

- After swallowing: 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: No special measures required.
- 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: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Send for recovery or disposal in suitable receptacles.

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

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 interior ventilation, especially at floor level. (Fumes are heavier than air). Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

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• **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 container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

• Storage class: 3

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

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

	ents v	with limit values that require monitoring	ag at the workplace.
•		ahydrofuran	
WEL S	hort-te ong-te	erm value: 300 mg/m³, 100 ppm erm value: 150 mg/m³, 50 ppm	
108-94-	1 cyc	lohexanone	
Lo		erm value: 82 mg/m³, 20 ppm erm value: 41 mg/m³, 10 ppm GV	
78-93-3	butar	none	
Lo		erm value: 899 mg/m³, 300 ppm erm value: 600 mg/m³, 200 ppm GV	
·DNELs			
78-93-3	butar	none	
Oral	Co	nsumer, oral, longterm exposition	31 mg/kg bw/day
Dermal			412 mg/kg bw/day
Inhalativ	nhalative Consumer, inhalation, longterm exposition 106 mg/m³		
· PNECs			
78-93-3	butar	none	
Fresh w	/ater	55.8 mg/l	
Marine water 55.8 mg/l			
Soil			
· Ingredie	ents v	with biological limit values:	
108-94-	1 cyc	lohexanone	
	Mediu Samp	ol/mol creatinine ım: urine ıling time: post shift neter: cyclohexanol	
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78-93-	(Contd. of pa
BINGV	70 μmol/L Medium: urine
	Sampling time: post shift
	Parameter: butan-2-one
Additio	onal information: The lists valid during the making were used as basis.
8.2 Ex	posure controls
	priate engineering controls No further data; see item 7.
	lual protection measures, such as personal protective equipment
	al protective and hygienic measures:
	ual precautionary measures are to be adhered to when handling chemicals.
	away from foodstuffs, beverages and feed.
	liately remove all soiled and contaminated clothing
Wash I	hands before breaks and at the end of work.
Do not	inhale gases / fumes / aerosols.
Avoid o	contact with the skin.
	contact with the eyes and skin.
	ratory protection:
	le respiratory protective device recommended.
	e of brief exposure or low pollution use respiratory filter device. In case of intensive or lo
	are use self-contained respiratory protective device.
	itable respiratory protective device in case of insufficient ventilation.
	nmended filter device for short term use: Filter A
	protection
Solven	t resistant gloves
m	
L Aut	Protective gloves
V	
	love material has to be impermeable and resistant to the product/ the substance/
prepara	
	ion of the glove material on consideration of the penetration times, rates of diffusion and
degrad	
	al of gloves
	ubber, BR
	nmended thickness of the material: > 0,7 mm
	ration time of glove material a mixture of chamicals montioned holew the penetration time has to be at least 120 min
	e mixture of chemicals mentioned below the penetration time has to be at least 120 min eation according to EN 374 Part 3: Level 4).
	ce protection
Lyena	
$(\bigcirc$	
(°D'O	Tightly sealed goggles
$\overline{\bigcirc}$	
Gogale	es recommended during refilling
	protection:
	otective suit.
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Solvent resistant protective clothing

SECTION 9: Physical and chemical properties		
 9.1 Information on basic physical and chemic General Information 	al properties	
· Physical state	Fluid	
· 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	65.5 °C	
·Flammability	Not applicable.	
· Lower and upper explosion limit		
· Lower:	1.3 Vol %	
· Upper:	12 Vol %	
· Flash point:	-21 °C	
· Auto-ignition temperature:	Product is not selfigniting.	
· Decomposition temperature:	Not determined.	
• •	Not determined.	
· pH	Not determined.	
 Viscosity: Kinematic viscosity 	Not determined.	
	1450 mPas	
· Dynamic at 20 °C:	1450 mPas	
· Solubility	Not missible or difficult to mix	
· water:	Not miscible or difficult to mix.	
· Partition coefficient n-octanol/water (log	Not data main a d	
value)	Not determined.	
· Vapour pressure at 20 °C:	200 hPa	
Density and/or relative density	1 000 -	
· Density at 20 °C:	1.023 g/cm ³	
· 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	
Important information on protection of health and environment, and on safety.		
Ignition temperature:	230 °C	
Explosive properties:	Product is not explosive. However, formation of	
	explosive air/vapour mixtures are possible.	
· Solvent content:	· · · ·	
· Organic solvents:	78.8 %	
· Water:	0.0 %	
	21.0 %	
· Solids content:		

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Change in condition	
Evaporation rate	Not determined.
Information with regard to physical haz	ard
classes	N7 * 1
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Highly flammable liquid and vapour.
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 Corrosive action on metals.
- \cdot 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 Based on available data, the classification criteria are not met.

· LD/LC50	· LD/LC50 values relevant for classification:		
109-99-91	109-99-9 tetrahydrofuran		
Oral	Oral LD50 2500 mg/kg (rat)		
108-94-1	108-94-1 cyclohexanone		
Oral	LD50	1535 mg/kg (rat)	
Dermal	LD50	948 mg/kg (rabbit)	
Inhalative	LC50/4 h	8000 mg/l (rat)	
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78-93-3 k	outanone	(Contd. of page
Oral	LD50	3300 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)
128-37-0	Butylate	d hydroxytoluene
Oral	LD50	890 mg/kg (rat)
 Respirat Germ ce Not applie Based on Carcinog Reprodu STOT-sii STOT-repipe 	ory or sk II mutage cable. available genicity S ctive tox ngle expo peated ex	age/irritation Causes serious eye damage. In sensitisation Based on available data, the classification criteria are not met. Inicity e data, the classification criteria are not met. Suspected of causing cancer. Icity Based on available data, the classification criteria are not met. Sure May cause respiratory irritation. Coposure Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.
		ogical information:
 Acute eff Sensitisa Repeated 	fects (acu ation Not d dose to	ute toxicity, irritation and corrosivity) Not applicable. applicable. xicity Not applicable. on other hazards
·Endocrir	ne disrup	ting properties

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: Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties
- For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects
- · 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.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

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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.

14.1 UN number or ID number	
ADR/ADN, IMDG, IATA	UN1133
14.2 UN proper shipping name ADR/ADN IMDG, IATA	1133 ADHESIVES ADHESIVES
14.3 Transport hazard class(es)	
ADR/ADN	
Class	3 (F1) Flammable liquids.
Label	3
Class	3 Flammable liquids.
Label	3
14.4 Packing group ADR/ADN, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	
EMS Number:	F-E,S-D
Stowage Category	A
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
	Not applicable.

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 Transport/Additional information: Quantity limitations 	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
 ADR/ADN Limited quantities (LQ) Excepted quantities (EQ) Transport category Tunnel restriction code 	5L Code: E1 Maximum net quantity per inner packaging: 30 m Maximum net quantity per outer packaging: 100 ml 3 E
 IMDG Limited quantities (LQ) Excepted quantities (EQ) Remarks: 	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 100 ml Under certain conditions substances in Class (flammable liquids) can be classified i
· UN "Model Regulation":	packinggroup III. See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2. UN 1133 ADHESIVES, 3, III

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 P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50000 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
- 78-93-3 butanone
 - Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
- 78-93-3 butanone

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• **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. H312 Harmful in contact with skin. H315 Causes skin irritation. H318 Causes serious eye damage. Causes serious eye irritation. H319 Harmful if inhaled. H332 May cause respiratory irritation. H335 May cause drowsiness or dizziness. H336 Suspected of causing cancer. H351 H400 Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. H410 EUH019 May form explosive peroxides. EUH066 Repeated exposure may cause skin dryness or cracking. Classification according to Regulation (EC) No 1272/2008 The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008. Flammable liquids Bridging principles Skin corrosion/irritation The classification of the mixture is generally based Serious eye damage/eye irritation on the calculation method using substance data Carcinogenicity according to Regulation (EC) No 1272/2008. Specific target organ toxicity (single exposure) · Department issuing SDS: Bison QESH · Contact: Reach coordinator Date of previous version: 24.11.2021 · Version number of previous version: 3 Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning 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 Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – 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 (Contd. on page 13) GB-EN

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Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Carc. 2: Carcinogenicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

* Data compared to the previous version altered.