

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 25.01.2024 Version number 35 (replaces version 34) Revision: 25.01.2024

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

- · 1.1 Product identifier
- · Trade name: UH CON LIQ TIN 650ML*12 L316
- 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: PSRA
- · 1.4 Emergency telephone number:

National Poisons Information Centre: +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week) Healthcare Professionals: +353 (1) 809 2566 (24 hour service)

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.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- · 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

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· Signal word Danger

· Hazard-determining components of labelling:

methylcyclohexane

butanone

ethyl acetate

acetone

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P261 Avoid breathing vapours.

P370+P378 In case of fire: Use to extinguish: Water haze, Alcohol resistant foam, Fire-

extinguishing powder, Carbon dioxide.

P501 Dispose of contents/container in accordance with national regulations.

Additional information:

EUH208 Contains Rosin. May produce an allergic reaction.

Labelling of packages where the contents do not exceed 125 ml

· Hazard pictograms





GHS02 GHS07

· Signal word Danger

· Hazard-determining components of labelling:

methylcyclohexane

butanone

ethyl acetate

acetone

· Hazard statements

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P261 Avoid breathing vapours.

P501 Dispose of contents/container in accordance with national regulations.

2.3 Other hazards

· Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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· Determination of endocrine-disrupting properties

78-93-3 butanone

List II

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Adhesive

	· Description : Adhesive		
ſ	· Dangerous components:		
	CAS: 108-87-2 EINECS: 203-624-3 Index number: 601-018-00-7 Reg.nr.: 01-2119556887-18	methylcyclohexane Flam. Liq. 2, H225; S Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	≥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	10-25%
	CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46	ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	10-25%
	CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49- XXXX	acetone STOT SE 3, H336, EUH066	≥2.5-<10%
	CAS: 25085-50-1 ELINCS: 472-160-3 Reg.nr.: Exempt	Butylphenolformaldehyde resin Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≥2.5-<10%
	CAS: 1309-48-4 EINECS: 215-171-9 Index number: 025-199-09-0 Reg.nr.: Exempt	magnesium oxide substance with a Community workplace exposure limit	1-2.5%
	CAS: 8050-09-7 EINECS: 232-475-7 Index number: 650-015-00-7 Reg.nr.: 01-2119480418-32	Rosin Skin Sens. 1, H317	≥0.1-<1%
	CAS: 1314-13-2 EINECS: 215-222-5 Index number: 030-013-00-7 Reg.nr.: 01-2119463881-32	zinc oxide	≥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.

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· After inhalation:

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:

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:

Inform respective authorities in case of seepage into water course or sewage system.

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). 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).

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Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· 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

Oral

Dermal

- · 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

· Ingredients w	Ingredients with limit values that require monitoring at the workplace:		
108-87-2 met	108-87-2 methylcyclohexane		
OEL (Ireland)	OEL (Ireland) Long-term value: 1600 mg/m³, 400 ppm		
78-93-3 butar	78-93-3 butanone		
OEL (Ireland) Short-term value: 900 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm Sk, IOELV			
IOELV (EU)	IOELV (EU) Short-term value: 900 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm		
141-78-6 ethy	141-78-6 ethyl acetate		
OEL (Ireland)	Short-term value: 1468 mg/m³, 400 ppm Long-term value: 734 mg/m³, 200 ppm IOELV		
IOELV (EU)	Short-term value: 1468 mg/m³, 400 ppm Long-term value: 734 mg/m³, 200 ppm		
67-64-1 aceto	one		
OEL (Ireland)	Long-term value: 1210 mg/m³, 500 ppm IOELV		
IOELV (EU)	Long-term value: 1210 mg/m³, 500 ppm		
1309-48-4 ma	1309-48-4 magnesium oxide		
OEL (Ireland)	Short-term value: 10** mg/m³ Long-term value: 4* 5** 10*** mg/m³ *respirable dust **fume ***total inhalable dust		
· DNELs			
78-93-3 butar	78-93-3 butanone		

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Consumer, oral, longterm exposition

Consumer, dermal, longterm exposition

31 mg/kg bw/day

412 mg/kg bw/day

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Inhalative Consumer, inhalative, longterm exposition 106 mg/m³		
141-78-6 ethyl acetate		
Oral	Consumer, oral, longterm expo	osition 4.5 mg/kg bw/day
Dermal	Consumer, dermal, longterm e	exposition 37 mg/kg bw/day
Inhalative	Consumer DNEL, acute inhala	ation 734 mg/m³
	Consumer, inhalative, longtern	n exposition 367 mg/m³
67-64-1 ad	etone	·
Oral	Consumer, oral, longterm expo	osition 62 mg/kg bw/day
Dermal	Consumer, dermal, longterm e	exposition 62 mg/kg bw/day
Inhalative	Consumer, inhalative, longtern	n exposition 200 mg/m³
PNECs		·
78-93-3 b	tanone	
Fresh wat	r 55.8 mg/l	
Marine wa	er 55.8 mg/l	
Soil 22.5 mg/kg		
141-78-6	thyl acetate	
Fresh water 0.26 mg/l		
Marine water 0.026 mg/l		
Soil 0.22 mg/kg		
67-64-1 acetone		
Fresh water 10.6 mg/l		
Marine water 1.06 mg/l		
Soil 29.5 mg/kg		

- · 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.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

· Recommended filter device for short term use:

Filter AX

Filter A

· Hand protection

Solvent resistant gloves

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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

Butyl rubber, BR Nitrile rubber, NBR

Recommended thickness of the material: > 0,7 mm

· 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).

For the mixture of chemicals mentioned below the penetration time has to be at least 120 minutes (Permeation according to EN 374 Part 3: Level 4).

Eye/face protection



Tightly sealed goggles

Goggles recommended during refilling

· Body protection:

Use protective suit.

Solvent resistant protective clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

Physical stateColour:Odour:FluidYellowCharacteristic

• Odour threshold:
• Melting point/freezing point:

Undetermined.

· Boiling point or initial boiling point and

boiling range 55.8-56.6 °C
Flammability Highly flammable.

Lower and upper explosion limit

Lower:
Upper:
1.8 Vol %
1.5 Vol %
Flash point:
-4 °C
Auto-ignition temperature:
260 °C

Decomposition temperature: Not determined.
 pH Not determined.

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· Viscosity:

Kinematic viscosityDynamic at 20 °C:Not determined.2500 mPas

Solubility

· water:

· Partition coefficient n-octanol/water (log

value) Not determined.

• Vapour pressure at 20 °C: 105 hPa

Vapour pressure at 50 °C:
Density and/or relative density

Density at 20 °C:
Relative density

Vapour density

0.933-~0.933 g/cm³
Not determined.

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.

Not miscible or difficult to mix.

· Appearance:

· Form: Fluid

Important information on protection of health

and environment, and on safety.

· **Ignition temperature:** Product is not selfigniting.

• Explosive properties: Product is not explosive. However, formation of

360 hPa

explosive air/vapour mixtures are possible.

· Solvent content:

Organic solvents: 77.5 %
Water: 0.2 %
VOC (EC) 77.45 %
Solids content: 22.4 %
Change in condition

· Evaporation rate Not determined.

· Information with regard to physical hazard

classes

Explosives
Flammable gases
Aerosols
Oxidising gases
Gases under pressure
Void
Void

· Flammable liquids Highly flammable liquid and vapour.

Flammable solids
Self-reactive substances and mixtures
Pyrophoric liquids
Pyrophoric solids
Self-heating substances and mixtures
Void
Void

Substances and mixtures, which emit

flammable gases in contact with water
Oxidising liquids
Oxidising solids
Organic peroxides
Void
Void

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Corrosive to metalsDesensitised explosivesVoid

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

· LD/LC50 \	· LD/LC50 values relevant for classification:		
108-87-2 r	nethylcyc	lohexane	
Oral	LD50	2250 mg/kg (mouse)	
78-93-3 bu	utanone		
Oral	LD50	3300 mg/kg (rat)	
Dermal	LD50	5000 mg/kg (rabbit)	
141-78-6 e	ethyl aceta	ate	
Oral	LD50	5620 mg/kg (rabbit)	
Inhalative LC50/4 h 1600 mg/l (rat)		1600 mg/l (rat)	
67-64-1 ad	cetone		
Oral	LD50	5800 mg/kg (rat)	
Dermal	LD50	20000 mg/kg (rabbit)	
1314-13-2	zinc oxid	e	
Oral LD50 >5000 mg/kg (rat)		>5000 mg/kg (rat)	

· Skin corrosion/irritation

Causes skin irritation.

· Serious eye damage/irritation

Causes serious eye irritation.

- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity

Not applicable.

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

- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure May cause drowsiness or dizziness.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.

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- · 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

78-93-3 butanone

List II

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
- · Remark: Harmful to fish
- · 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.

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

Harmful to aquatic organisms

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 information

- · 14.1 UN number or ID number
- · ADR/ADN, IMDG, IATA

UN1133

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14.2 UN proper shipping name ADR/ADN IMDG, IATA	1133 ADHESIVES ADHESIVES
14.3 Transport hazard class(es) ADR/ADN	
Class Label	3 (F1) Flammable liquids.
IMDG, IATA	
3	
Class Label	3 Flammable liquids.
14.4 Packing group ADR/ADN, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user 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.
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)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 100 ml
Transport category Tunnel restriction code	3 E
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000

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· Remarks:	ml Under certain conditions substances in Class 3 (flammable liquids) can be classified in packinggroup III. See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.2
· UN "Model Regulation":	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	3
67-64-1	acetone	3
Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors		
70 00 0	hh	2

10-93-3	butanone	3	
67-64-1	acetone	3	

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

- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

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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.

3	
Flammable liquids	Bridging principles
Skin corrosion/irritation	The classification of the mixture is generally
Serious eye damage/irritation	based on the calculation method using
Specific target organ toxicity (single exposure)	substance data according to Regulation (EC) No
Hazardous to the aquatic environment - long-	1272/2008.
term (chronic) aquatic hazard	

Department issuing SDS: Bison QESH

· Contact: Reach coordinator

· Date of previous version: 31.05.2021 · Version number of previous version: 34

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)

VOC: Volatile Organic Compounds (USA, EU)

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

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation - Category 1

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 Asp. Tox. 1: Aspiration hazard - Category 1

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

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

* Data compared to the previous version altered.

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