

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

Printing date 03.02.2023 Version number 11 (replaces version 10) Revision: 03.02.2023

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

- · 1.1 Product identifier
- · Trade name: UHU CONTACT GREENIT+150°C TI 645G\*1 ENDE
- 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.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



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.

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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#### Hazard pictograms







GHS02 GHS07 GHS09

- · Signal word Danger
- · Hazard-determining components of labelling:

methylcyclohexane

acetone

ethyl acetate

butanone

#### · Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic 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.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

### · Additional information:

EUH208 Contains Rosin. May produce an allergic reaction.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

## · Determination of endocrine-disrupting properties

78-93-3 butanone

List II

## **SECTION 3: Composition/information on ingredients**

· 3.2 Mixtures

· Description: Adhesive

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<ul> <li>Dangerous components:</li> </ul>		
CAS: 108-87-2 EINECS: 203-624-3 Index number: 601-018-00-7 Reg.nr.: 01-2119556887-18	methylcyclohexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
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	25-50%
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: 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: 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  Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.025-<0.25%
CAS: 68610-51-5 EINECS: 271-867-2 Reg.nr.: 01-2119496062-39- 0000	phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene  Repr. 2, H361d; Aquatic Chronic 4, H413	<1%

· 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 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.

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## **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).

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:
- · 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.

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- Store in cool, dry conditions in well sealed receptacles.
- Storage class: 3
- · 7.3 Specific end use(s) No further relevant information available.

	ol parameters	
•	s with limit values that require monitori	ng at the workplace:
67-64-1 ac		
	ng-term value: 1210 mg/m³, 500 ppm	
	thyl acetate	
	ort-term value: 1468 mg/m³, 400 ppm	
ات 7 <b>8-93-3 b</b> u	ng-term value: 734 mg/m³, 200 ppm	
	ort-term value: 900 mg/m³, 300 ppm	
	ng-term value: 600 mg/m², 200 ppm	
DNELs		
67-64-1 ac	retone	
	Consumer, oral, longterm exposition	62 mg/kg bw/day
	Consumer, dermal, longterm exposition	62 mg/kg bw/day
	Consumer, inhalation, longterm exposition	200 mg/m <sup>3</sup>
	thyl acetate	
Oral	Consumer, oral, longterm exposition	4.5 mg/kg bw/day
Dermal	Consumer, dermal, longterm exposition	37 mg/kg bw/day
	Consumer DNEL, acute inhalation	734 mg/m³
	Consumer, inhalation, longterm exposition	367 mg/m³
78-93-3 bu	ıtanone	
Oral	Consumer, oral, longterm exposition	31 mg/kg bw/day
Dermal	Consumer, dermal, longterm exposition	412 mg/kg bw/day
Inhalative	Consumer, inhalation, longterm exposition	106 mg/m³
PNECs		
67-64-1 ac	etone	
Fresh wate	er 10.6 mg/l	
Marine wa	ter 1.06 mg/l	
Soil 29.5 mg/kg		
141-78-6 e	thyl acetate	
Fresh wate	1 0	
Marine water 0.026 mg/l		
Soil	0.22 mg/kg	
78-93-3 bu		
Fresh water 55.8 mg/l		

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Soil

22.5 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 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.

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



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

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## **SECTION 9: Physical and chemical properties**

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state Fluid

· Colour: Dark orange colour Characteristic · Odour: · Odour threshold: Not determined. Undetermined.

· Melting point/freezing point:

· Boiling point or initial boiling point and

boiling range 55.8-56.6 °C · Flammability Highly flammable.

Lower and upper explosion limit

2.1 Vol % · Lower: · Upper: 13 Vol % -19 °C · Flash point: 260 °C · Ignition temperature:

Not determined. Decomposition temperature: · pH Not determined.

· Viscosity:

· Kinematic viscosity Not determined. · Dynamic at 20 °C: 5000 mPas

Solubility

Not miscible or difficult to mix. · water:

Partition coefficient n-octanol/water (log

Not determined. value)

· Vapour pressure at 20 °C: 233 hPa

Density and/or relative density

Density at 20 °C: 0.923 g/cm<sup>3</sup> Not determined. · Relative density · 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.

**Auto-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: 77.6 % · Water: 0.2 % 22.3 % · Solids content:

Change in condition

**Evaporation rate** Not determined.

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Information with regard to physical haz	ard
classes · Explosives	Void
Flammable gases	Void
· Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
<u>-</u>	
· Flammable liquids · Flammable solids	Highly flammable liquid and vapour. Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
<ul> <li>Substances and mixtures, which emit</li> </ul>	
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 Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:				
108-87-2	108-87-2 methylcyclohexane			
Oral	LD50	2250 mg/kg (mouse)		
67-64-1 a	cetone			
Oral	LD50	5800 mg/kg (rat)		
Dermal	LD50	20000 mg/kg (rabbit)		
141-78-6	ethyl acetate			
Oral	LD50	5620 mg/kg (rabbit)		
Inhalative	LC50/4 h	1600 mg/l (rat)		
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78-93-3 k	78-93-3 butanone			
Oral	LD50	3300 mg/kg (rat)		
Dermal	LD50	5000 mg/kg (rabbit)		
1314-13-	1314-13-2 zinc oxide			
Oral	LD50	>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.
- · 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: Toxic for 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.

Also poisonous for fish and plankton in water bodies.

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Toxic for 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

· 14.2 UN proper shipping name

· ADR/ADN 1133 ADHESIVES

· IMDG ADHESIVES, MARINE POLLUTANT

· IATA ADHESIVES

- · 14.3 Transport hazard class(es)
- · ADR/ADN



· Class 3 (F1) Flammable liquids.

· Label 3

·IMDG



· Class 3 Flammable liquids.

· Label

·IATA



Class 3 Flammable liquids.

· Label 3

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14.4 Packing group ADR/ADN, IMDG, IATA	III
14.5 Environmental hazards:	Product contains environmentally hazardou substances: methylcyclohexane
Marine pollutant: Special marking (ADR/ADN):	Symbol (fish and tree) Symbol (fish and tree)
14.6 Special precautions for user Hazard identification number (Kemler code	Warning: Flammable liquids. ): -
EMS Number: Stowage Category	F-E,S-D 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 m 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 m
Remarks:	Maximum net quantity per outer packaging: 100 ml Under certain conditions substances in Class (flammable liquids) can be classified packinggroup III. See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.
UN "Model Regulation":	UN 1133 ADHESIVES, 3, II ENVIRONMENTALLY HAZARDOUS

## **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

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

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- · Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- · 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		
67-64-1	acetone	3
78-93-3	butanone	3

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

	<u> </u>	<b>0</b> .		
67-64-1	acetone		3	
78-93-3	butanone		3	

<sup>· 15.2</sup> 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	flammahla	higuid	and vapou	r
11220	IIIUIIIV	Hallillable	IIUulu	anu vabou	ι.

- 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.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- 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.
- H413 May cause long lasting harmful effects to aquatic life.
- EUH066 Repeated exposure may cause skin dryness or cracking.

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

- Department issuing SDS: Bison QESH
- · Contact: Reach coordinator
- Date of previous version: 18.01.2022
- · Version number of previous version: 10
- 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)

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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 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 Repr. 2: Reproductive toxicity – Category 2

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 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

\* Data compared to the previous version altered.

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