

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

Printing date 25.01.2024 Version number 41 (replaces version 40) Revision: 25.01.2024

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

- · 1.1 Product identifier
- · Trade name: BIS CONTACT KIT TI 650ML*12 L162
- 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

18X. +31 00 3233000

e mail: sds@boltonadhesives.com

- · Further information obtainable from: PSRA
- · 1.4 Emergency telephone number:

Members of the public seeking specific information on poisons should contact:

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

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

Repr. 2 H361d Suspected of damaging the unborn child.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS09 environment

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



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

(Contd. on page 2)

GB

www.bison.net 1/14



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

Printing date 25.01.2024 Version number 41 (replaces version 40) Revision: 25.01.2024

Trade name: BIS CONTACT KIT TI 650ML*12 L162

(Contd. of page 1)

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 GB CLP regulation.

· Hazard pictograms









GHS02 GHS07 GHS08 GHS09

· Signal word Danger

· Hazard-determining components of labelling:

toluene

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

acetone

butanone

· Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361d Suspected of damaging the unborn child.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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

sources. No smoking.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P321 Specific treatment (see on this label).

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

with water [or shower].

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P362+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

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

P403+P235 Store in a well-ventilated place. Keep cool.

· Additional information:

EUH208 Contains Rosin. May produce an allergic reaction.

(Contd. on page 3)

GB

www.bison.net 2/14



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

Version number 41 (replaces version 40) Revision: 25.01.2024 Printing date 25.01.2024

Trade name: BIS CONTACT KIT TI 650ML*12 L162

(Contd. of page 2)

- · 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

Dangerous components: CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3 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	25-50% ≥10-<25%
EINECS: 203-625-9	
	>10 <250/
EC number: 927-510-4 Reg.nr.: 01-2119475515-33 Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	2102376
CAS: 67-64-1 acetone EINECS: 200-662-2	10-25%
CAS: 78-93-3 butanone EINECS: 201-159-0	≥2.5-<10%
CAS: 1309-48-4 magnesium oxide EINECS: 215-171-9 substance with a Community workplace Index number: 025-199-09-0 Reg.nr.: Exempt	1-2.5%
CAS: 8050-09-7 EINECS: 232-475-7 Index number: 650-015-00-7 Reg.nr.: 01-2119480418-32	≥0.1-<1%
CAS: 110-82-7 EINECS: 203-806-2 Index number: 601-017-00-1 Reg.nr.: 01-2119463273-41 cyclohexane Flam. Liq. 2, H225; \$\sigma\$ Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; \$\sigma\$ Skin Irrit. 2, H315; STOT SE 3, H336	≥0.25-<1%
CAS: 1314-13-2 zinc oxide	≥0.025-<0.25%

(Contd. on page 4)

3/14 www.bison.net



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

Printing date 25.01.2024 Version number 41 (replaces version 40) Revision: 25.01.2024

Trade name: BIS CONTACT KIT TI 650ML*12 L162

(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:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· 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 eve 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

During heating or in case of fire poisonous gases are produced.

- · 5.3 Advice for firefighters
- · Protective equipment: Mouth 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

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

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.

(Contd. on page 5)

CP

www.bison.net 4/14



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

Printing date 25.01.2024 Version number 41 (replaces version 40) Revision: 25.01.2024

Trade name: BIS CONTACT KIT TI 650ML*12 L162

(Contd. of page 4)

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

Dispose contaminated material as waste according to section 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.

Open and handle receptacle with care.

Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

· 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

· Ingredients with limit values that require monitoring at the workplace:

108-88-3 toluene

WEL Short-term value: 384 mg/m³, 100 ppm Long-term value: 191 mg/m³, 50 ppm Sk

67-64-1 acetone

WEL Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm

78-93-3 butanone

WEL Short-term value: 899 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm Sk, BMGV

(Contd. on page 6)

GB

www.bison.net 5/14



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

Printing date 25.01.2024 Version number 41 (replaces version 40) Revision: 25.01.2024

Trade name: BIS CONTACT KIT TI 650ML*12 L162

			(Contd. of page	
		nagnesium oxide		
	EL Long-term value: 10* 4** mg/m³			
(as Mg) *inhalable dust **fume and respirable dust 8050-09-7 Rosin				
		term value: 0.15 mg/m³ term value: 0.05 mg/m³		
	Sen	term value. 0.05 mg/m		
		clohexane		
	-	term value: 1050 mg/m³, 300 ppm		
	Long-	term value: 350 mg/m³, 100 ppm		
DNEL	.s			
67-64	-1 ace	tone		
Oral	(Consumer, oral, longterm exposition	62 mg/kg bw/day	
Derma	al (Consumer, dermal, longterm exposition	62 mg/kg bw/day	
Inhalative Consumer, inhalative, longterm exposition 200 mg/m³			on 200 mg/m³	
78-93	-3 but	anone		
Oral	(Consumer, oral, longterm exposition	31 mg/kg bw/day	
Dermal Consumer, dermal, longterm exposition 412 mg/kg bw/day		9 9		
Inhala	itive (Consumer, inhalative, longterm exposition	on 106 mg/m³	
PNEC	s			
67-64	-1 ace	tone		
Fresh	water	10.6 mg/l		
Marine water 1.06 mg/l				
Soil 29.5 mg/kg				
78-93-3 butanone				
Fresh water 55.8 mg/l				
Marine water 55.8 mg/l				
Soil 22.5 mg/kg				
Ingred	dients	with biological limit values:		
78-93	-3 but	anone		
BMG∖				
		lium: urine		
Sampling time: post shift Parameter: butan-2-one				
		ameter: butan-2-one		

- · 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.

Store protective clothing separately.

(Contd. on page 7)

GB

www.bison.net 6/14



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

Printing date 25.01.2024 Version number 41 (replaces version 40) Revision: 25.01.2024

Trade name: BIS CONTACT KIT TI 650ML*12 L162

(Contd. of page 6)

Avoid contact with the eyes and skin.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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



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 state Fluid

· Colour: According to product specification

· Odour: Characteristic
· Odour threshold: Not determined.
· Melting point/freezing point: Undetermined.

(Contd. on page 8)

GB

www.bison.net 7/14



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

Printing date 25.01.2024 Version number 41 (replaces version 40) Revision: 25.01.2024

Trade name: BIS CONTACT KIT TI 650ML*12 L162

(Contd. of page 7)

· Boiling point or initial boiling point and

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

· Lower and upper explosion limit

Lower: 0.7 Vol %
Upper: 13 Vol %
Flash point: -1 °C
Auto-ignition temperature: 450 °C

Decomposition temperature: Not determined.pH Not determined.

· Viscosity:

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

· Solubility · water:

water: Not miscible or difficult to mix.

Partition coefficient n-octanol/water (log

value)
Not determined.

Vapour pressure at 20 °C:
233 hPa

Vapour pressure at 50 °C:
800 hPa

Density and/or relative density

Density at 20 °C: 0.952 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

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

explosive air/vapour mixtures are possible.

· Solvent content:

Organic solvents: 79.0 %
 Water: 0.2 %
 Solids content: 20.8 %

· 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 Void

(Contd. on page 9)

GB

www.bison.net 8/14



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

Printing date 25.01.2024 Version number 41 (replaces version 40) Revision: 25.01.2024

Trade name: BIS CONTACT KIT TI 650ML*12 L162

		(Contd. of page 8)
· 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 Based on available data, the classification criteria are not met.

· LD/LC50 \	· LD/LC50 values relevant for classification:		
108-88-3 t	108-88-3 toluene		
Oral	LD50	5000 mg/kg (rat)	
Dermal	LD50	12124 mg/kg (rabbit)	
Inhalative	LC50/4 h	5320 mg/l (mouse)	
67-64-1 ac	etone		
Oral	LD50	5800 mg/kg (rat)	
Dermal	LD50	20000 mg/kg (rabbit)	
78-93-3 bu	78-93-3 butanone		
Oral	LD50	3300 mg/kg (rat)	
Dermal	LD50	5000 mg/kg (rabbit)	
110-82-7	110-82-7 cyclohexane		
Oral LD50 12705 mg/kg (rat)			
1314-13-2	1314-13-2 zinc oxide		
Oral	LD50	>5000 mg/kg (rat)	

Skin corrosion/irritation

Causes skin irritation.

(Contd. on page 10)

- GB

www.bison.net 9/14



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

Printing date 25.01.2024 Version number 41 (replaces version 40) Revision: 25.01.2024

Trade name: BIS CONTACT KIT TI 650ML*12 L162

(Contd. of page 9)

· 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 Suspected of damaging the unborn child.
- · STOT-single exposure May cause drowsiness or dizziness.
- · STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.
- · 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 3 (German Regulation) (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities.

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

Also poisonous for fish and plankton in water bodies.

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.

(Contd. on page 11)

- GP

www.bison.net 10/14



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

Printing date 25.01.2024 Version number 41 (replaces version 40) Revision: 25.01.2024

Trade name: BIS CONTACT KIT TI 650ML*12 L162

(Contd. of page 10)

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 · IMDG, IATA	1133 ADHESIVES ADHESIVES	
14.3 Transport hazard class(es)		
ADR/ADN		
· Class · Label	3 (F1) Flammable liquids. 3	
· IMDG, IATA		
№		
· Class · Label	3 Flammable liquids. 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.	
· 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	
	(Contd. on page	

www.bison.net 11/14



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

Printing date 25.01.2024 Version number 41 (replaces version 40) Revision: 25.01.2024

Trade name: BIS CONTACT KIT TI 650ML*12 L162

	(Contd. of page 1
Transport category Tunnel restriction code	Maximum net quantity per outer packaging: 1000 ml 3 E
IMDG Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 100 ml
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
UN "Model Regulation":	UN 1133 ADHESIVES, 3, III 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

- · 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, 48, 57
- 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 (EU) 2019/1146			
· Regulation (EC) No 273/2004 on drug precursors			
108-88-3	toluene	3	
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			
100 00 2	toluono	2	

 108-88-3 toluene
 3

 67-64-1 acetone
 3

 78-93-3 butanone
 3

(Contd. on page 13)

- GB

www.bison.net 12/14



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

Version number 41 (replaces version 40) Printing date 25.01.2024 Revision: 25.01.2024

Trade name: BIS CONTACT KIT TI 650ML*12 L162

(Contd. of page 12)

· 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		and vapour.	

May be fatal if swallowed and enters airways. H304

Causes skin irritation. H315

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

May cause drowsiness or dizziness. H336

H361d Suspected of damaging the unborn child.

May cause damage to organs through prolonged or repeated exposure. H373

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Toxic to aquatic life with long lasting effects. H411

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 Serious eye damage/irritation Reproductive toxicity Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure) Hazardous to the aquatic environment - longterm (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: 29.09.2023 · Version number of previous version: 40

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 (UK REACH)

PNEC: Predicted No-Effect Concentration (UK 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

(Contd. on page 14)

GB

13/14 www.bison.net



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

Version number 41 (replaces version 40) Printing date 25.01.2024 Revision: 25.01.2024

Trade name: BIS CONTACT KIT TI 650ML*12 L162

(Contd. of page 13)

Skin Sens. 1: Skin sensitisation – Category 1
Repr. 2: Reproductive toxicity – Category 2
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

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

* * Data compared to the previous version altered.

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