

## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.03.2025

Version number 43 (replaces version 42)

Revision: 11.03.2025

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

- **1.1 Product identifier**
- **Trade name:** BIS CONTACT KIT TI 3L\*4 L320
- **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.



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.



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.

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**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 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.

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

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· **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

· **Dangerous components:**

CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3 Reg.nr.: 01-2119471310-51-XXXX	Toluene ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Chronic 3, H412	25-50%
EC number: 927-510-4 Reg.nr.: 01-2119475515-33-XXXX	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	≥10-<25%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49-XXXX	Acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	10-25%
CAS: 25085-50-1 EC number: 607-533-3	p-tert-butylphenol formaldehyde resin ⚠ Skin Sens. 1, H317	2.5-10%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43-XXXX	Butanone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	≥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-XXXX	Rosin ⚠ Skin Sens. 1, H317	≥0.1-<1%

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CAS: 110-82-7 EINECS: 203-806-2 Index number: 601-017-00-1 Reg.nr.: 01-2119463273-41-XXXX	cyclohexane ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	≥0.25-<1%
CAS: 1314-13-2 EINECS: 215-222-5 Index number: 030-013-00-7 Reg.nr.: 01-2119463881-32-XXXX	Zinc oxide ⚠ 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:**

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 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**

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.

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**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.

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**OEL (Ireland) Short-term value: 384 mg/m<sup>3</sup>, 100 ppmLong-term value: 192 mg/m<sup>3</sup>, 50 ppm

Skin, IOELV

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IOELV (EU)	Short-term value: 384 mg/m <sup>3</sup> , 100 ppm Long-term value: 192 mg/m <sup>3</sup> , 50 ppm Skin
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**67-64-1 Acetone**

OEL (Ireland)	Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm IOELV
IOELV (EU)	Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm

**78-93-3 Butanone**

OEL (Ireland)	Short-term value: 900 mg/m <sup>3</sup> , 300 ppm Long-term value: 600 mg/m <sup>3</sup> , 200 ppm Skin, IOELV
IOELV (EU)	Short-term value: 900 mg/m <sup>3</sup> , 300 ppm Long-term value: 600 mg/m <sup>3</sup> , 200 ppm

**1309-48-4 Magnesium oxide**

OEL (Ireland)	Short-term value: 10** mg/m <sup>3</sup> Long-term value: 4* 5** 10*** mg/m <sup>3</sup> *respirable dust **fume ***total inhalable dust
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**110-82-7 cyclohexane**

OEL (Ireland)	Long-term value: 700 mg/m <sup>3</sup> , 200 ppm IOELV
IOELV (EU)	Long-term value: 700 mg/m <sup>3</sup> , 200 ppm

**DNELs**

**108-88-3 Toluene**

Oral	Consumer, oral, longterm exposition	8.13 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	384 mg/kg bw/day
	Consumer, dermal, longterm exposition	226 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	384 mg/m <sup>3</sup>
	Worker, inhalative, longterm exposition	192 mg/m <sup>3</sup>
	Consumer DNEL, acute inhalation	226 mg/m <sup>3</sup>
	Consumer, inhalative, longterm exposition	56.5 mg/m <sup>3</sup>

**Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics**

Oral	Consumer, oral, longterm exposition	149 mg/kg bw/day (rat)
Dermal	Worker, dermal, longterm exposition	300 mg/kg bw/day (rat)
	Consumer, dermal, longterm exposition	149 mg/kg bw/day (rat)
Inhalative	Worker, inhalative, longterm exposition	2085 mg/m <sup>3</sup> (rat)
	Consumer, inhalative, longterm exposition	477 mg/m <sup>3</sup> (rat)

**67-64-1 Acetone**

Oral	Consumer, oral, longterm exposition	62 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	186 mg/kg bw/day
	Consumer, dermal, longterm exposition	62 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	2420 mg/m <sup>3</sup>
	Worker, inhalative, longterm exposition	1210 mg/m <sup>3</sup>

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	Consumer, inhalative, longterm exposition	200 mg/m <sup>3</sup>
<b>78-93-3 Butanone</b>		
Oral	Consumer, oral, longterm exposition	31 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	1161 mg/kg bw/day
	Consumer, dermal, longterm exposition	412 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	900 mg/m <sup>3</sup>
	Worker, inhalative, longterm exposition	600 mg/m <sup>3</sup>
	Consumer DNEL, acute inhalation	450 mg/m <sup>3</sup>
	Consumer, inhalative, longterm exposition	106 mg/m <sup>3</sup>

**110-82-7 cyclohexane**

Oral	Consumer, oral, longterm exposition	59.4 mg/kg bw/day (rat)
Dermal	Worker, dermal, longterm exposition	2016 mg/kg bw/day (rat)
	Consumer, dermal, longterm exposition	1186 mg/kg bw/day (rat)
Inhalative	Worker, inhalative, shortterm exposition	700 mg/m <sup>3</sup> (rat)
	Worker, inhalative, longterm exposition	700 mg/m <sup>3</sup> (rat)
	Consumer DNEL, acute inhalation	412 mg/m <sup>3</sup> (rat)
	Consumer, inhalative, longterm exposition	206 mg/m <sup>3</sup> (rat)

**PNECs**

**108-88-3 Toluene**

	Fresh water	0.68 mg/l
	Fresh water sediment	16.39 mg/kg dry weight
	Marine water	0.68 mg/l
	Marine sediment	16.39 mg/kg dry weight
	Soil	2.89 mg/kg
	Sewage treatment plant	13.61 mg/l
	Sporadic release	0.68 mg/l

**67-64-1 Acetone**

	Fresh water	10.6 mg/l
	Fresh water sediment	30.4 mg/kg dry weight
	Marine water	1.06 mg/l
	Marine sediment	3.04 mg/kg dry weight
	Soil	29.5 mg/kg
	Sewage treatment plant	100 mg/l
	Sporadic release	21 mg/l

**78-93-3 Butanone**

Oral	Secondary Poisoning	1000 mg/kg
	Fresh water	55.8 mg/l
	Fresh water sediment	284.7 mg/kg dry weight
	Marine water	55.8 mg/l
	Marine sediment	284.7 mg/kg dry weight
	Soil	22.5 mg/kg

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Sewage treatment plant	709 mg/l
Sporadic release	55.8 mg/l
<b>110-82-7 cyclohexane</b>	
Fresh water	0.207 mg/l (rat)
Fresh water sediment	3.627 mg/kg dry weight (rat)
Marine water	0.207 mg/l (rat)
Marine sediment	3.627 mg/kg dry weight (rat)
Soil	2.99 mg/kg (rat)
Sewage treatment plant	3.24 mg/l (rat)
Sporadic release	0.207 mg/l
<b>1314-13-2 Zinc oxide</b>	
Fresh water	0.0144 mg/l
Fresh water sediment	146.9 mg/kg dry weight
Marine water	0.0072 mg/l
Marine sediment	162.2 mg/kg dry weight
Soil	83.1 mg/kg
Sewage treatment plant	0.1 mg/l

· **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.

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

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- **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.

- **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 viscosity**

Not determined.

- **Dynamic at 20 °C:**

2500 mPas

- **Solubility**

- **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

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<ul style="list-style-type: none"> <li>· <b>Density and/or relative density</b></li> <li>· <b>Density at 20 °C:</b></li> <li>· <b>Relative density</b></li> <li>· <b>Vapour density</b></li> </ul>	<p>0.952 g/cm<sup>3</sup> Not determined. Not determined.</p>
<ul style="list-style-type: none"> <li>· <b>9.2 Other information</b></li> <li>· <b>Appearance:</b></li> <li>· <b>Form:</b></li> <li>· <b>Important information on protection of health and environment, and on safety.</b></li> <li>· <b>Ignition temperature:</b></li> <li>· <b>Explosive properties:</b></li> <li>· <b>Solvent content:</b></li> <li>· <b>Organic solvents:</b></li> <li>· <b>Water:</b></li> <li>· <b>VOC (EC)</b></li> <li>· <b>Solids content:</b></li> <li>· <b>Change in condition</b></li> <li>· <b>Evaporation rate</b></li> </ul>	<p>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.</p> <p>Fluid</p> <p>Product is not selfigniting. Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</p> <p>78.8 % 0.2 % 78.78 % 20.8 %</p> <p>Not determined.</p>
<ul style="list-style-type: none"> <li>· <b>Information with regard to physical hazard classes</b></li> <li>· <b>Explosives</b></li> <li>· <b>Flammable gases</b></li> <li>· <b>Aerosols</b></li> <li>· <b>Oxidising gases</b></li> <li>· <b>Gases under pressure</b></li> <li>· <b>Flammable liquids</b></li> <li>· <b>Flammable solids</b></li> <li>· <b>Self-reactive substances and mixtures</b></li> <li>· <b>Pyrophoric liquids</b></li> <li>· <b>Pyrophoric solids</b></li> <li>· <b>Self-heating substances and mixtures</b></li> <li>· <b>Substances and mixtures, which emit flammable gases in contact with water</b></li> <li>· <b>Oxidising liquids</b></li> <li>· <b>Oxidising solids</b></li> <li>· <b>Organic peroxides</b></li> <li>· <b>Corrosive to metals</b></li> <li>· <b>Desensitised explosives</b></li> </ul>	<p>Void Void Void Void Void Highly flammable liquid and vapour. Void Void Void Void Void Void Void Void Void Void Void Void Void</p>

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

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- **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:

##### 108-88-3 Toluene

Oral	LD50	5580 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/4 h	25.7 mg/l (rat)

##### Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Oral	LD50	>5840 mg/kg (rat)
Dermal	LD50	>2920 mg/kg (rat)
Inhalative	LC50/4 h	>23.3 mg/l (rat)

##### 67-64-1 Acetone

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	>15800 mg/kg (rat)
Inhalative	LC50/4 h	76 mg/l (rat)

##### 25085-50-1 p-tert-butylphenol formaldehyde resin

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

##### 78-93-3 Butanone

Oral	LD50	>2193 mg/kg (rat)
Dermal	LD50	>8050 mg/kg (rat)

##### 1309-48-4 Magnesium oxide

Oral	LD50	3870 mg/kg
Dermal	LD50	>2000 mg/kg (rabbit)

##### 8050-09-7 Rosin

Oral	LD50	2800 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

##### 110-82-7 cyclohexane

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	32.88 mg/l (rat)

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### 1314-13-2 Zinc oxide

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

- **Primary irritant effect:**
- **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** 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**

· <b>Endocrine disrupting properties</b>		
78-93-3	Butanone	List II
98-54-4	4-tert-butylphenol	List I; 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:**  
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.

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Toxic for aquatic organisms

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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.

### 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, IATA**

ADHESIVES

· **14.3 Transport hazard class(es)**

· **ADR/ADN**



· **Class**

3 (F1) Flammable liquids.

· **Label**

3

· **IMDG**



· **Class**

3 Flammable liquids.

· **Label**

3

· **IATA**



· **Class**

3 Flammable liquids.

· **Label**

3

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<ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> <li>· <b>ADR/ADN, IMDG, IATA</b></li> </ul>	<p style="text-align: center;">III</p>
<ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> </ul>	<p>No Symbol (fish and tree)</p>
<ul style="list-style-type: none"> <li>· <b>14.6 Special precautions for user</b></li> <li>· <b>Hazard identification number (Kemler code):</b> -</li> <li>· <b>EMS Number:</b></li> <li>· <b>Stowage Category</b></li> </ul>	<p>Warning: Flammable liquids. F-E,S-D A</p>
<ul style="list-style-type: none"> <li>· <b>14.7 Maritime transport in bulk according to IMO instruments</b></li> </ul>	<p>Not applicable.</p>
<ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> <li>· <b>Quantity limitations</b></li> </ul>	<p>On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L</p>
<ul style="list-style-type: none"> <li>· <b>ADR/ADN</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	<p>5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> <li>· <b>Transport category</b></li> <li>· <b>Tunnel restriction code</b></li> </ul>	<p>3 E</p>
<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	<p>5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> <li>· <b>Remarks:</b></li> </ul>	<p>For substances with class 3 according to IMDG-Code chapter 2.3.2.2 packing group is classified in packing group III, as viscosity is in accordance with requirements (flow time t &gt; 100s).</p>
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>	<p>U N 1 1 3 3 A D H E S I V E S , 3 , I I I , ENVIRONMENTALLY HAZARDOUS</p>

### 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

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- **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 (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**

108-88-3	Toluene	3
67-64-1	Acetone	3
78-93-3	Butanone	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**

- H225 Highly flammable liquid and vapour.
- 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.
- H373 May cause damage to organs through prolonged or repeated exposure.
- 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.
- H412 Harmful to aquatic life with long lasting effects.
- 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 - 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.

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- **Department issuing SDS:** PSRA
- **Contact:** PSRA
- **Date of previous version:** 31.05.2021
- **Version number of previous version:** 42
- **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
  - 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
  - Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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