

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 11.01.2023

Version number 16 (replaces version 15)

Revision: 23.11.2022

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

· Product identifier

· Trade name: **Sabacontact 70T**

· Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

· Application of the substance / the mixture Contact adhesive.

· Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

SABA Dinxperlo BV

Meniststraat 7

NL-7091 ZZ Dinxperlo

The Netherlands

P.O Box 3

NL - 7090 AA Dinxperlo

The Netherlands

Tel.: +31 315 65 89 99

Fax: +31 315 65 32 07

E-mail: info@saba-adhesives.com

Internet: www.saba-adhesives.com

· Further information obtainable from: HSE department (e-mail: sds@saba-adhesives.com)

· Emergency telephone number: SABA Dinxperlo BV: Tel.: +31 315 65 89 99

SECTION 2: Hazards identification

· Classification of the substance or mixture

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

Carc. 2 H351 Suspected of causing cancer.

STOT SE 3 H336 May cause drowsiness or dizziness.

· Label elements

· GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

· Hazard pictograms



GHS02



GHS07



GHS08

· Signal word Danger

· Hazard-determining components of labelling:

butanone

tetrahydrofuran

acetone

· Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

H336 May cause drowsiness or dizziness.

· Precautionary statements

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

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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- P261 Avoid breathing mist/vapours/spray.
 P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**
 EUH066 Repeated exposure may cause skin dryness or cracking.
 - **Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **Mixtures**
- **Description:**
 Mixture of components, as listed below. The percentage composition adds up to a total of 100% with non-hazardous ingredients.

- **Dangerous components:**

CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-xxxx	butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	≥10-<60%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-xxxx	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	≥10-<15%
CAS: 109-99-9 EINECS: 203-726-8 Reg.nr.: 01-2119444314-46-xxxx	tetrahydrofuran Flam. Liq. 2, H225; Carc. 2, H351; Eye Irrit. 2, H319; STOT SE 3, H335, EUH019 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 25 % STOT SE 3; C ≥ 25 %	≥0.1-<10%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **Description of first aid measures**
- **General information:**
 Take affected persons out of danger area and lay down.
 Remove any clothing soiled by the product.
- **After inhalation:**
 Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
 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:**
 Rinse out mouth and then drink plenty of water.
 Do not induce vomiting.
 If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
 No further relevant information available.

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SECTION 5: Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Nitrogen oxides (NO_x)
Carbon monoxide and carbon dioxide
- **Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Keep people at a distance and stay on the windward side.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **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

- **Precautions for safe handling**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Protect from frost.
Protect from heat and direct sunlight.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

78-93-3 butanone

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

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67-64-1 acetone

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

109-99-9 tetrahydrofuran

WEL Short-term value: 300 mg/m³, 100 ppm
Long-term value: 150 mg/m³, 50 ppm
Sk

· DNELs**78-93-3 butanone**

Dermal	DNEL Consumer	412 mg/kg BW (Chronic effects; Systemic)
	DNEL Worker	1,161 mg/kg BW (Chronic effects; Systemic)
Inhalative	DNEL Consumer	106 mg/m ³ (Chronic effects; Systemic)
	DNEL Worker	600 mg/m ³ (Chronic effects; Systemic)

67-64-1 acetone

Oral	DNEL Consumer	62 mg/kg BW (Chronic effects; Systemic)
Dermal	DNEL Consumer	62 mg/kg BW (Chronic effects; Systemic)
	DNEL Worker	186 mg/kg BW (Chronic effects; Systemic)
Inhalative	DNEL Consumer	200 mg/m ³ (Chronic effects; Systemic)
	DNEL Worker	2,420 mg/m ³ (Acute effects; Local)
		1,210 mg/m ³ (Acute effects; Systemic)

109-99-9 tetrahydrofuran

Oral	DNEL Consumer	15 mg/kg BW (Chronic effects; Systemic)
Dermal	DNEL Consumer	15 mg/kg BW (Chronic effects; Systemic)
	DNEL Worker	25 mg/kg BW (Chronic effects; Systemic)
Inhalative	DNEL Consumer	150 mg/m ³ (Acute effects; Local)
		150 mg/m ³ (Acute effects; Systemic)
		75 mg/m ³ (Chronic effects; Local)
		62 mg/m ³ (Chronic effects; Systemic)
	DNEL Worker	300 mg/m ³ (Acute effects; Local)
		300 mg/m ³ (Acute effects; Systemic)
		150 mg/m ³ (Chronic effects; Local)
		150 mg/m ³ (Chronic effects; Systemic)

· PNECs**78-93-3 butanone**

PNEC Aquatic ecosystem	55.8 mg/l (Fresh water)
	55.8 mg/l (Intermittent release)
	55.8 mg/l (Marine water)
	709 mg/l (Sewage treatment)
PNEC Aquatic ecosystem	284.7 mg/kg (Fresh water sediment)
	284.7 mg/kg (Marine water sediment)
PNEC Terrestrial ecosystem	22.5 mg/kg (Soil)

67-64-1 acetone

PNEC Aquatic ecosystem	10.6 mg/l (Fresh water)
	21.5 mg/l (Intermittent release)
	1.06 mg/l (Marine water)
	100 mg/l (Sewage treatment)
PNEC Aquatic ecosystem	30.4 mg/kg (Fresh water sediment)

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<i>PNEC Terrestrial ecosystem</i>	3.04 mg/kg (Marine water sediment) 29.5 mg/kg (Soil)
109-99-9 tetrahydrofuran	
<i>PNEC Aquatic ecosystem</i>	4.32 mg/l (Fresh water) 21.6 mg/l (Intermittent release) 0.432 mg/l (Marine water) 4.6 mg/l (Sewage treatment)
<i>PNEC Aquatic ecosystem</i>	23.3 mg/kg (Fresh water sediment) 2.33 mg/kg (Marine water sediment) 2.1 mg/kg (Soil)
Ingredients with biological limit values:	
78-93-3 butanone	
<i>BMGV</i>	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one

· **Additional information:** The lists valid during the making were used as basis.

· **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.

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes and skin.

Remove any clothing soiled by the product.

· **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Avoid breathing mist/vapours/spray.

Recommended filter:

Filter AX

· **Hand protection**

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**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Neoprene gloves

· **Eye/face protection** Safety glasses

· **Body protection:** Protective work clothing.

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SECTION 9: Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Physical state	Fluid
· Colour:	Colourless
· Odour:	Characteristic
· Odour threshold:	No data available.
· Melting point/freezing point:	No data available.
· Boiling point or initial boiling point and boiling range	56 °C
· Flammability	Highly flammable.
· Lower and upper explosion limit	
· Lower:	1.5 Vol %
· Upper:	13 Vol %
· Flash point:	-9 °C
· Ignition temperature:	230 °C
· Decomposition temperature:	No data available.
· pH	Not applicable.
· Viscosity:	
· Dynamic at 20 °C:	2,650 mPas
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	No data available.
· Vapour pressure at 20 °C:	233 hPa
· Density and/or relative density	
· Density at 20 °C:	0.9 g/cm ³
· Vapour density	No data available.

· Other information

· 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 separation test:	No data available.
· Solvent content:	
· Organic solvents:	78.7 %
· VOC (EC)	685.0 g/l
	78.7 %
· Solids content:	21.3 %
· Change in condition	
· Softening point/range	
· Oxidising properties	No data available.
· Evaporation rate	No data available.

· Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Highly flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void

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· 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
· Additional information	The physical data presented above are typical values and should not be construed as a specification.

SECTION 10: Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Violent reactions with strong alkalis and oxidising agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
Nitrogen oxides
Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

- **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:**

78-93-3 butanone

Oral	LD50	> 2,193 mg/kg (rat)
Dermal	LD50	> 5,000 mg/kg (rabbit)

67-64-1 acetone

Oral	LD50	> 3,000 mg/kg (mouse)
		> 5,000 mg/kg (rat)
Dermal	LD50	> 5,000 mg/kg (rat)
		> 15,000 mg/kg (rabbit)
Inhalative	LC50/4 h	76 mg/l (rat)

109-99-9 tetrahydrofuran

Oral	LD50	2,500 mg/kg (rat)
Inhalative	LC50/4 h	82.5 mg/l (rat)

- **Skin corrosion/irritation** Repeated exposure may cause skin dryness or cracking.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Carcinogenicity** Suspected of causing cancer.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **Information on other hazards**

· **Endocrine disrupting properties**

78-93-3	butanone	List II	54,08%
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SECTION 12: Ecological information· **Toxicity**· **Aquatic toxicity:****78-93-3 butanone**

EC50 (48h) 308 mg/l (daphnia)

67-64-1 acetone

EC50 39 mg/kg (daphnia)

109-99-9 tetrahydrofuran

EC50 6,670 mg/kg (daphnia)

· **Persistence and degradability** No further relevant information available.· **Bioaccumulative potential** No further relevant information available.· **Mobility in soil** No further relevant information available.· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.· **Other adverse effects**· **Additional ecological information:**· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations· **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.

· **European waste catalogue**

08 04 09* waste adhesives and sealants containing organic solvents or other hazardous substances

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information**· **UN number or ID number**· **ADR/RID/ADN, IMDG, IATA** UN1133· **UN proper shipping name**· **ADR/RID/ADN** 1133 ADHESIVES· **IMDG, IATA** ADHESIVES· **Transport hazard class(es)**· **ADR/RID/ADN**· **Class**

3 (F1) Flammable liquids.

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· **Label** 3· **IMDG, IATA**· **Class** 3 Flammable liquids.· **Label** 3· **Packing group**· **ADR/RID/ADN, IMDG, IATA** III· **Environmental hazards:** Not applicable.· **Special precautions for user** Warning: Flammable liquids.· **Hazard identification number (Kemler code):** -· **EMS Number:** F-E,S-D· **Stowage Category** A· **Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**· **ADR/RID/ADN**· **Limited quantities (LQ)** 5L· **Excepted quantities (EQ)** Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **Transport category** 3· **Tunnel restriction code** 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: 1000 ml

· **UN "Model Regulation":** UN 1133 ADHESIVES, 3, III

SECTION 15: Regulatory information

· **Registration status**· **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** 5,000 t· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t· **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.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

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*H336 May cause drowsiness or dizziness.**H351 Suspected of causing cancer.**EUH019 May form explosive peroxides.**EUH066 Repeated exposure may cause skin dryness or cracking.*· **Contact:** HSE department (e-mail: sds@saba-adhesives.com).· **Date of preparation / last revision**· **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**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 (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, Hazard Category 2**Eye Irrit. 2: Serious eye damage/ eye irritation, Hazard Category 2**Carc. 2: Carcinogenicity, Hazard Category 2**Flam. Liq. 2: Flammable liquids – Category 2**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Carc. 2: Carcinogenicity – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*· *** Data compared to the previous version altered.**

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