

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

Printing date 15.12.2023

Version: 3.00 (replaces version 2.00)

Revision: 26.09.2022

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

1.1 Product identifier

Trade name: SONAX Hand disinfectant

Article number:

04021000, 04021410, 04025410

UFI: HA84-40E3-K00U-6FJP

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

Application of the substance / the mixture

Hand disinfectant

Consumer uses: Private households / general public / consumers

Professional uses

Uses advised against There is currently no information available on this.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

SONAX GmbH

Münchener Straße 75

D-86633 Neuburg (Donau)

Tel.: ++49 (0)8431/53-0

Further information obtainable from:

Product safety

E-mail: erp@sonax.de

Phone: + +49 (0) 8431 53 217

United Kingdom:

Anglo American Oil Company Ltd

58 Holton Road, Holton Heath Trading Park, Poole, Dorset, BH16 6LT

Telephone: (+44) 01929 551557

Email: info@aaoil.co.uk

1.4 Emergency telephone number:

European Union: +49 (0) 89 19240 (Poison Centre Munich)

United Kingdom: 0344 892 0111 (UK NPIS)

Members of Public in England, Scotland and Wales can contact NHS 111/NHS 24 by dialling 111

In Northern Ireland, contact your local GP

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

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

Eye Irrit. 2 H319 Causes serious eye irritation.

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

Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements

The selection of precautionary statements on the products varies according to container and application.

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.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.12.2023

Version: 3.00 (replaces version 2.00)

Revision: 26.09.2022

Trade name: SONAX Hand disinfectant

(Contd. of page 1)

P280 Wear eye protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Labelling of packages where the contents do not exceed 125 ml

Marking container <125 ml deviates. Reduced labeling according article 29 and annex I, no. 1.5 GB CLP-regulation is used.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:**

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT

vPvB:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB.

Determination of endocrine-disrupting properties

The substance/this mixture contains components that exhibit or are suspected of exhibiting endocrine disrupting properties according to UK REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

List II: Substances under evaluation for endocrine disruption under an EU legislation.

CAS: 78-93-3 | butanone

List II

SECTION 3: Composition/information on ingredients

3.2 Mixtures**Description:**

Disinfectant

Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43-xxxx	ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	75-100%
CAS: 56-81-5 EINECS: 200-289-5	glycerol substance with a Community workplace exposure limit	1-<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: Remove soiled clothing

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: If symptoms persist consult doctor.

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; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed Eye irritation**4.3 Indication of any immediate medical attention and special treatment needed**

Treatment in accordance with the doctor's assessment of the patient's condition. Symptomatic treatment.

GB

(Contd. on page 3)

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

Printing date 15.12.2023

Version: 3.00 (replaces version 2.00)

Revision: 26.09.2022

Trade name: SONAX Hand disinfectant

(Contd. of page 2)

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**

Carbon dioxide

Fire-extinguishing powder

Water spray

Alcohol resistant foam

For safety reasons unsuitable extinguishing agents: Water with full jet**5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Oxygen

5.3 Advice for firefighters**Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

Do not enter the hazardous area without a self-contained breathing apparatus.

See Section 8 for information on personal protection equipment.

Additional information

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** Ensure adequate ventilation**For non-emergency personnel** Keep away from ignition sources.**For emergency responders** Wear protective equipment. Keep unprotected persons away.**6.2 Environmental precautions:**

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

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

Dispose contaminated material as waste according to section 13.

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 ventilation/exhaustion at the workplace.**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Buildup of explosive mixtures possible without sufficient ventilation.

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:** Provide solvent resistant, sealed floor.**Information about storage in one common storage facility:**

Store away from foodstuffs.

Observe local/state/federal regulations.

Further information about storage conditions:

Store receptacle in a well ventilated area.

Keep container tightly sealed.

(Contd. on page 4)

GB

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

Printing date 15.12.2023

Version: 3.00 (replaces version 2.00)

Revision: 26.09.2022

Trade name: SONAX Hand disinfectant

(Contd. of page 3)

Protect from heat and direct sunlight.
Recommended storage temperature: 20 °C.
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:

CAS: 64-17-5 ethanol

WEL (Great Britain)	Long-term value: 1920 mg/m ³ , 1000 ppm
OEL (Ireland)	Short-term value: 1000 ppm

CAS: 56-81-5 glycerol

WEL (Great Britain)	Long-term value: 10 mg/m ³
OEL (Ireland)	Long-term value: 10 mg/m ³

CAS: 78-93-3 butanone

WEL (Great Britain)	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, BMGV
IOELV (EU)	Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm
OEL (Ireland)	Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, IOELV

Regulatory information

WEL (Great Britain): EH40/2020

OEL (Ireland): 2021 CoP for the Safety, Health and Welfare at Work

IOELV (EU): (EU) 2019/1831

DNELs

CAS: 64-17-5 ethanol

Oral	DNEL	87 mg/kg (consumer) (long-term exposure - systemic effects)
Dermal	DNEL	206 mg/kg bw/day (consumer) (long-term exposure - systemic effects)
		343 mg/kg bw/day (worker) (lon-term exposure - systemic effects)
Inhalative	DNEL	950 mg/m ³ (consumer) (acute short-tem exposure - local effects)
		1,900 mg/m ³ (worker) (acute short-tem exposure - local effects)
		114 mg/m ³ (consumer) (long-term exposure - systemic effects)
	DNEL	950 mg/m ³ (worker) (long-term exposure - systemic effects)

CAS: 78-93-3 butanone

Oral	DNEL	31 mg/kg bw/day (consumer) (longterm systematic effects)
		1,161 mg/kg bw/day (worker) (longterm systematic effects)
Dermal	DNEL	412 mg/bw/day (consumer)
Inhalative	DNEL	106 mg/m ³ (consumer) (longterm systematic effects)
		600 mg/m ³ (worker) (longterm systematic effects)

PNECs

CAS: 64-17-5 ethanol

PNEC	580 mg/l (sewage plant)
	0.96 mg/l (water (fresh water))
	0.79 mg/l (water (sea water))
PNEC	3.6 mg/kg (sediment (fresh water))
	0.63 mg/kg (soil)

CAS: 78-93-3 butanone

PNEC	55.8 mg/l (sporadic release)
	709 mg/l (STP)

(Contd. on page 5)

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

Printing date 15.12.2023

Version: 3.00 (replaces version 2.00)

Revision: 26.09.2022

Trade name: SONAX Hand disinfectant

(Contd. of page 4)

PNEC	55.8 mg/l (water (fresh water))
	55.8 mg/l (water (sea water))
	284.7 mg/kg (sediment)
	22.5 mg/kg (soil)

Ingredients with biological limit values:**CAS: 78-93-3 butanone**

BMGV (Great Britain)	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one
----------------------	---

Regulatory information BMGV (Great Britain): EH40/2011**Additional information:** The lists valid during the making were used as basis.**8.2 Exposure controls****Suitable technical control devices**

Ensure good ventilation. This can be achieved by localised extraction or general ventilation. If this is not sufficient to keep the concentration below the occupational exposure limit, suitable breathing protection is to be worn.

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.

Wash hands before breaks and at the end of work.

Respiratory protection:

Not required in normal cases

Ensure good ventilation/exhaustion at the workplace.

Hand protection Not required in normal cases.

Eye/face protection

Safety glasses

[EN 166]

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information****Physical state**

Fluid

Colour:

Colourless

Odour:

Alcohol-like

Melting point/freezing point:

Undetermined.

Boiling point or initial boiling point and boiling range

78 °C (CAS: 64-17-5 ethanol)

Flammability

Combustible liquid.

Lower and upper explosion limit**Lower:**

3.5 Vol % (CAS: 64-17-5 ethanol)

Upper:

15 Vol % (CAS: 64-17-5 ethanol)

Flash point:

17 °C (DIN 51755)

Decomposition temperature:

Not determined.

pH

Not determined.

Viscosity:**Kinematic viscosity at 40 °C**<20.5 mm²/s**Solubility****water:**

Fully miscible.

Partition coefficient n-octanol/water (log value)

Not determined.

Vapour pressure:

Not determined.

Density and/or relative density**Density at 20 °C:**0.82-0.84 g/cm³**Vapour density**

Not determined.

(Contd. on page 6)

GB

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

Printing date 15.12.2023

Version: 3.00 (replaces version 2.00)

Revision: 26.09.2022

Trade name: SONAX Hand disinfectant

(Contd. of page 5)

9.2 Other information**Appearance:****Form:**

Fluid

Important information on protection of health and environment, and on safety.**Ignition temperature:**

Not determined.

Explosive properties:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Change in condition**Evaporation rate**

Not determined.

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

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 dangerous reactions known.**10.2 Chemical stability** Stable under normal conditions.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid**

Keep ignition sources away - Do not smoke.

Protect from heat and direct sunlight.

See Section 7 for information on safe handling.

10.5 Incompatible materials: oxidizing agents**10.6 Hazardous decomposition products:** No dangerous decomposition products known.**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:****CAS: 64-17-5 ethanol**

Oral	LD50	10,470 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50 / 4h	>20 mg/l (mouse) 38 mg/l (rat)

CAS: 78-93-3 butanone

Oral	LD50	>2,193 mg/kg (rat) (OECD 423)
Dermal	LD50	>5,000 mg/kg (rabbit) (OECD 402)

(Contd. on page 7)

GB

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

Printing date 15.12.2023

Version: 3.00 (replaces version 2.00)

Revision: 26.09.2022

Trade name: SONAX Hand disinfectant

(Contd. of page 6)

Inhalative	LC50/4d	34 mg/l (Ratte)
------------	---------	-----------------

Skin corrosion/irritation Based on available data, the classification criteria are not met.

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

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:**Repeated dose toxicity****CAS: 64-17-5 ethanol**

Oral	NOAEL	1,760 mg/kg (rat) (OECD 408, 90d, target organ: liver)
------	-------	--

CAS: 78-93-3 butanone

Inhalative	NOAEC	0.5041 mg/m ³ (rat) (OECD-Prüfrichtlinie 413)
	LOAEC 18d; 7h/d	3,000 ppm (rat) (OECD 414)
	NOAEC 18d, 7h/day	1.002 ppm (rat) (OECD 414)

11.2 Information on other hazards**Endocrine disrupting properties**

The product contains substances suspected of causing endocrine disruptions with health effects.

List II: Substances under evaluation for endocrine disruption under an EU legislation.

CAS: 78-93-3	butanone	List II
--------------	----------	---------

SECTION 12: Ecological information

12.1 Toxicity There are no ecotoxicological data available on this mixture.

Aquatic toxicity:**CAS: 64-17-5 ethanol**

LC50 / 48h	8,140 mg/l (Leuciscus idus)
EC50 / 48h	>10,000 mg/l (Daphnia magna)
EC50 / 72h	275 mg/l (Chlorella vulgaris)

CAS: 78-93-3 butanone

Oral	EC0/16h	1,150 mg/l (Pseudomonas putida) (statistischer Test; DIN 38412)
	LC50 / 96h	2,993 mg/l (Pimephales promelas) (statistischer Test, OECD-Prüfrichtlinie 203)
	EC50 / 48h	308 mg/l (Daphnia magna) (Statistischer Test, OECD-Prüfrichtlinie 202)
	EC50 / 72h	1,972 mg/l (Grünalge Pseudokirchneriella subcapitata) (statistischer Test, OECD-Prüfrichtlinie 201)

12.2 Persistence and degradability**CAS: 78-93-3 butanone**

Biodegradation	98 % (OECD 301 D)
----------------	-------------------

12.3 Bioaccumulative potential**CAS: 78-93-3 butanone**

log Kow	0.3
---------	-----

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment**PBT:**

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT

(Contd. on page 8)

GB

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

Printing date 15.12.2023

Version: 3.00 (replaces version 2.00)

Revision: 26.09.2022

Trade name: SONAX Hand disinfectant

(Contd. of page 7)

vPvB:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB

12.6 Endocrine disrupting properties

According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with effects on the environment.

12.7 Other adverse effects

Additional ecological information:

General notes: The product may not be released into the environment without control.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste classified as hazardous according to Annex III to Directive 2008/98/EC.

Recommendation Waste must be disposed of while observing the local, official regulations.

European waste catalogue

- 1) Disposal / product
- 2) Disposal / contaminated packaging

18 01 06*	chemicals consisting of or containing hazardous substances
-----------	--

15 01 10*	packaging containing residues of or contaminated by hazardous substances
-----------	--

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number
ADR/RID/ADN, IMDG, IATA

UN1170

14.2 UN proper shipping name
ADR/RID/ADN
IMDG, IATA

1170 ETHANOL solution
ETHANOL solution

14.3 Transport hazard class(es)
ADR/RID/ADN



Class
Label

3 (F1) Flammable liquids.
3

IMDG, IATA



Class
Label

3 Flammable liquids.
3

14.4 Packing group
ADR/RID/ADN, IMDG, IATA

II

14.5 Environmental hazards:
Marine pollutant:

No

14.6 Special precautions for user
Stowage Category

Warning: Flammable liquids.
A

(Contd. on page 9)

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

Printing date 15.12.2023

Version: 3.00 (replaces version 2.00)

Revision: 26.09.2022

Trade name: SONAX Hand disinfectant

(Contd. of page 8)

14.7 Maritime transport in bulk according to IMO instruments Not applicable.

Transport/Additional information:**ADR/RID/ADN**

Limited quantities (LQ) 1L
Transport category 2
Tunnel restriction code D/E

UN "Model Regulation": UN 1170 ETHANOL SOLUTION, 3, II

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

European Directives:

Directive 2010/75/EU (VOC) 84.27 %

**Catégorie SEVESO (DIRECTIVE 2012/18/EU) P5c FLAMMABLE LIQUIDS
REGULATION (EU) 2019/1148**

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

CAS: 7722-84-1 | hydrogen peroxide

National regulations:

Germany: ChemBiozidMeldeV:

N-87221

contains pro 100g:

88,7g Ethanol 96% (v/v);

0,2g Hydrogen peroxide

Austria: VbF: B(I)

Information about limitation of use:

Employment restrictions concerning pregnant and lactating women must be observed.

Employment restrictions concerning juveniles must be observed.

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.

H319 Causes serious eye irritation.

Classification according to Regulation (EC) No 1272/2008

Flammable liquids	On basis of test data
Serious eye damage/irritation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Date of previous version: 22.04.2021**Version number of previous version:** 2.00**Abbreviations and acronyms:**

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = letal Concentration

EC50 = half maximal effective concentration

log POW = Octanol / water partition coefficient

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ATE: acute toxicity estimate

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

(Contd. on page 10)

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

Printing date 15.12.2023

Version: 3.00 (replaces version 2.00)

Revision: 26.09.2022

Trade name: SONAX Hand disinfectant

(Contd. of page 9)

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)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
IOELV = indicative occupational exposure limit values
Flam. Liq. 2: Flammable liquids – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
*** Data compared to the previous version altered.**

GB