

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

1.1. Product identifier

Product form : Mixture
Trade name : Kenocidin™
Product code : 322

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

1.2.1. Relevant identified uses

Main use category : Industrial.
Use of the substance/mixture : See product bulletin for detailed information

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

CID LINES NV
Waterpoortstraat, 2
B-8900 Ieper - Belgique
T + 32 57 21 78 77 - F +32 57 21 78 79
sds@cidlines.com - <http://www.cidlines.com>

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
Australia	Poisons Information Centre		13 11 26
Belgium	Centre Anti-Poisons/Antigifocentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B - 1120 Brussels	+32 70 245 245
Canada	CANUTEC		(613) 996-6666
Estonia	Mürgistusteabekeskus	Gonsiori 29 15027 Tallinn	112 16662
Finland	Poison Information Centre	P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki	+358 9 471 977
Iceland	Eitrunarmiðstöð Landspítali	Fossvogi 108 Reykjavik	+354 543 22 22
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	112
Netherlands	Nationaal Vergiftigingen Informatie Centrum Uitsluitend bestemd om artsen te informeren bij accidentele vergiftigingen	Huispostnummer B.00.118, PO Box 85500 3508 GA Utrecht	+31 30 274 88 88
Switzerland	Centre Suisse d'Information Toxicologique Swiss Toxicological Information Centre, Schweizerisches Toxicologisches Informationszentrum STIZ	Freiestrasse 16 Postfach CH-8032 Zurich	+41 44 251 51 51 (International) 145 (National)
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241
USA	American Association of Poison Control Centers		1-800-222-1222

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

3.2. Mixtures

Name	Product identifier	% w/w	Classification according to Directive 67/548/EEC
Isopropanol	(CAS-No.) 67-63-0 (EC-No.) 200-661-7 (EC Index-No.) 603-117-00-0 (REACH-no) 01-2119457558-25	1 - 5	F; R11 Xi; R36 R67
Chlorhexidine digluconate	(CAS-No.) 18472-51-0 (EC-No.) 242-354-0 (EC Index-No.) 18472-51-0 Ex (REACH-no) 01-2119946568-22	< 1	Xi; R41 N; R50
Name	Product identifier	% w/w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Isopropanol	(CAS-No.) 67-63-0 (EC-No.) 200-661-7 (EC Index-No.) 603-117-00-0 (REACH-no) 01-2119457558-25	1 - 5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Chlorhexidine digluconate	(CAS-No.) 18472-51-0 (EC-No.) 242-354-0 (EC Index-No.) 18472-51-0 Ex (REACH-no) 01-2119946568-22	< 1	Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Not expected to require first aid measures.
First-aid measures after skin contact : Not expected to require first aid measures.
First-aid measures after eye contact : Rinse immediately with plenty of water.
First-aid measures after ingestion : Rinse mouth. Spit.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : All extinguishing media can be used.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not combustible.
Reactivity : No decomposition if used as directed.

5.3. Advice for firefighters

Precautionary measures fire : No smoking.
Protection during firefighting : Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill area may be slippery. Dyke for recovery or absorb with appropriate material. Dilute residues and flush.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spills and put it into appropriated container.

6.4. Reference to other sections

No additional information available

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures : Keep away from food, drink and animal feeding stuffs. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well-ventilated place. Keep container closed when not in use. Protect from freezing.

Storage temperature : < 40 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Isopropanol (67-63-0)		
EU	IOELV TWA (mg/m³)	983 mg/m³
EU	IOELV TWA (ppm)	400 ppm
Belgium	Local name	Alcool isopropylique
Belgium	Limit value (mg/m³)	500 mg/m³
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m³)	1000 mg/m³
Belgium	Short time value (ppm)	400 ppm
Germany	Local name	Propan-2-ol
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	500 mg/m³
Germany	TRGS 900 Occupational exposure limit value (ppm)	200 ppm
Germany	Remark (TRGS 900)	DFG,Y
United Kingdom	Local name	Propan-2-ol
United Kingdom	WEL TWA (mg/m³)	999 mg/m³
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m³)	1250 mg/m³
United Kingdom	WEL STEL (ppm)	500 ppm

Chlorhexidine digluconate (18472-51-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.42 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.03 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.1 mg/m³
Long-term - systemic effects, dermal	3 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.002 mg/l (Assessment factor: 10)
PNEC aqua (marine water)	0.0002 mg/l (Assessment factor: 100)
PNEC aqua (intermittent, freshwater)	0.002 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.433 mg/kg dwt (Assessment factor: 10)
PNEC sediment (marine water)	0.0433 mg/kg dwt (Assessment factor: 100)
PNEC (Soil)	
PNEC soil	5.26 mg/kg dwt (Assessment factor: 100)
PNEC (STP)	
PNEC sewage treatment plant	0.25 mg/l (Assessment Factor: 100)

8.2. Exposure controls

Personal protective equipment:

Gloves.

Hand protection:

In case of repeated or prolonged contact wear gloves. chemical resistant PVC gloves (to European standard EN 374 or equivalent)

Eye protection:

Not required.

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Skin and body protection:

Not required.

Respiratory protection:

No special protection required where adequate ventilation is maintained.



Consumer exposure controls:

When using do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Blue.
Odour	: Characteristic.
Odour threshold	: No data available
pH	: ca. 5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ca. 1
Solubility	: Water: 100 %
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if used as directed.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Not applicable.

10.5. Incompatible materials

Not applicable.

10.6. Hazardous decomposition products

None under normal conditions.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not applicable

Kenocidin™	
LD50 oral rat	> 2000 mg/kg

Skin corrosion/irritation : Not applicable

pH: ca. 5

Serious eye damage/irritation : Not applicable

pH: ca. 5

Respiratory or skin sensitisation : Not applicable

Germ cell mutagenicity : No data available

Carcinogenicity : No data available

Reproductive toxicity : No data available

STOT-single exposure : No data available

STOT-repeated exposure : No data available

Aspiration hazard : No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : biodegradable.

12.2. Persistence and degradability

Isopropanol (67-63-0)	
Biodegradation	95 %

12.3. Bioaccumulative potential

Kenocidin™	
Bioaccumulative potential	No bioaccumulation.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : Not applicable

UN-No. (IMDG) : Not applicable

UN-No. (IATA) : Not applicable

UN-No. (ADN) : Not applicable

UN-No. (RID) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

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IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Special transport precautions : Stop the engine, No naked lights. No smoking, Mark roads and warns other road users, NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations : Ensure all national/local regulations are observed.

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 2, significant hazard to waters (Classification according to VwVwS, Annex 4)

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12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed
SZW-lijst van mutagene stoffen : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Other information : The information provided in this Technical Safety Data Sheet is correct to the best of our knowledge and while we endeavor to keep the information up to date and correct according to the state of the art, we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability or suitability with respect to the information contained in this technical data sheet. Any reliance you place on such information is therefore strictly at your own risk. In no event will we be liable for any loss or damage (including, without limitation, indirect or consequential loss or damage, or any loss or damage whatsoever arising from loss of profits) arising out of, or in connection with, the use of this information and /or the use, handling, processing or storage of the product. Always consult the Safety Data Sheet and product label for more info about security.

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H318	Causes serious eye damage
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

SDS EU CLP DPD

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product