

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

1.1. Product identifier

Product form : Mixture
 Trade name : Virocid™
 Product code : D49
 Product group : Disinfectant

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, Professional use
 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	Comment
Australia	Poisons Information Centre		13 11 26	
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B -1120 Brussels	+32 70 245 245	
Canada	CANUTEC Country Organization/Company Address Emergency number Comment		(613) 996-6666	
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	
New Zealand	The National Poisons Centre	University of Otago, 2nd Floor, Adams Building, 18 Frederick Street, 9016 Dunedin	0800 764 766 0800 POISON	
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	+44 20 7188 7188	

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USA	American Association of Poison Control Centers		1-800-222-1222	
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Labelling according to OSHA 29 CFR 1910.1200

Flammable liquids, Category 3	H226
Acute toxicity (oral), Category 4	H302
Acute toxicity (dermal), Category 4	H312
Acute toxicity (inhalation:vapour) Category 4	H332
Skin corrosion/irritation, Category 1B	H314
Respiratory sensitisation, Category 1	H334
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to OSHA 29 CFR 1910.1200

Hazard pictograms (CLP)



GHS02

GHS05

GHS08

GHS09

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H226 - Flammable liquid and vapour.
H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H400 - Very toxic to aquatic life.

Precautionary statements (CLP)

: P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P304+P340 - IF INHALED Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER/doctor. Specific treatment is urgent.
P301+P330+P331+P310+P321 - IF SWALLOWED Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Specific treatment.
P302+P352+P312+P321 - IF ON SKIN Wash with plenty of water/... Call a POISON CENTER/doctor if you feel unwell. Specific treatment.
P305 - IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Specific treatment.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	(CAS-No.) 68424-85-1 (EC-No.) 270-325-2	15 - 30	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10)

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Didecyldimethylammonium chloride	(CAS-No.) 7173-51-5 (EC-No.) 230-525-2 (EC Index-No.) 612-131-00-6	5 - 15	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Glutaraldehyde	(CAS-No.) 111-30-8 (EC-No.) 203-856-5 (EC Index-No.) 605-022-00-X	5 - 15	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1B, H314 Resp. Sens. 1, H334 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Propan-2-ol	(CAS-No.) 67-63-0 (EC-No.) 603-117-00-0 (EC Index-No.) 200-661-7	5 - 15	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

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	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Put victim at rest, cover with a blanket and keep warm. Get immediate medical advice/attention.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.
First-aid measures after eye contact	: Rinse immediately carefully and thoroughly with eye-bath or water. Get immediate medical advice/attention.
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Seek medical advice immediately.

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

Symptoms/effects after inhalation	: Cough. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: erythema (redness). Causes burns.
Symptoms/effects after eye contact	: Conjunctival redness. Impairment of vision. Causes tears.
Symptoms/effects after ingestion	: Causes burns. Gastrointestinal complaints. Cough. The product causes cramps.

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

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Powder. Sand. Carbon dioxide (CO₂). Water.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable.
Explosion hazard : In use, may form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Precautionary measures fire : Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flame resistant/retardant clothing. Heat resistant gloves.
Firefighting instructions : Fight fire with normal precautions from a reasonable distance.
Protection during firefighting : Wear a self-contained breathing apparatus and chemical protective clothing.
Other information : Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Absorb spillage to prevent material damage. Collect spillage. Do not handle until all safety precautions have been read and understood.

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

Shafts and sewers must be protected from entry of the product. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb spillage to prevent material damage. Collect spillage. Collect in closed and suitable containers for disposal. To clean the floor and all objects contaminated by this material, use plenty of water.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : In use, may form flammable/explosive vapour-air mixture.

Precautions for safe handling : Avoid contact with skin and eyes. Wear personal protective equipment. Do not breathe vapour/aerosol. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : 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 : Do not handle until all safety precautions have been read and understood. Keep container tightly closed in a cool, well-ventilated place. Protect from sunlight. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Store and handle as though always a serious potential fire/explosion and health hazard exists.

Storage area : Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Special rules on packaging : Gases/vapours, flammable. In use may form flammable/explosive vapour-air mixture.

Packaging materials : Keep only in original container. Keep in a cool, well-ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Glutaraldehyde (111-30-8)		
EU	IOELV TWA (mg/m ³)	20 mg/m ³
EU	IOELV TWA (ppm)	0.2 ppm
Belgium	Local name	Aldéhyde glutarique # Glutaaraldehyde
Belgium	Short time value (mg/m ³)	0.21 mg/m ³
Belgium	Short time value (ppm)	0.05 ppm
Belgium	Remark (BE)	M: la mention "M" indique que lors d'une exposition supérieure à la valeur limite, des irritations apparaissent ou un danger d'intoxication aiguë existe. Le procédé de travail doit être conçu de telle façon que l'exposition ne dépasse jamais la valeur limite. Lors des mesurages, la période d'échantillonnage doit être aussi courte que possible afin de pouvoir effectuer des mesurages fiables. Le résultat des mesurages est calculé en fonction de la période d'échantillonnage. # M: de vermelding "M" duidt aan dat bij de blootstelling boven de grenswaarde irritatie optreedt of er gevaar bestaat voor acute vergiftiging. Het werkproces moet zo zijn ontworpen dat de blootstelling de grenswaarde nooit overschrijdt. Bij een controle geldt dat de bemonsterde periode zo kort mogelijk moet zijn om een betrouwbare meting te kunnen verrichten. Het meetresultaat wordt dan gerelateerd aan de beschouwde periode.
Belgium	Regulatory reference	Koninklijk besluit/Arrêté royal 02/09/2018
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	0.2 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	0.05 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	0.2 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	0.05 ppm
Germany	TRGS 900 Local name	Glutaral
Germany	Occupational exposure limit value (mg/m ³)	0.2 mg/m ³
Germany	Occupational exposure limit value (ppm)	0.05 ppm

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Glutaraldehyde (111-30-8)		
Germany	Limitation of exposure peaks	2(l)
Germany	TRGS 900 Remark	AGS;Sah;Y
Germany	TRGS 900 Regulatory reference	TRGS900
Germany	TRGS 910 Acceptable concentration notes	
United Kingdom	Local name	Glutaraldehyde
United Kingdom	WEL TWA (mg/m ³)	0.2 mg/m ³
United Kingdom	WEL TWA (ppm)	0.05 ppm
United Kingdom	WEL STEL (mg/m ³)	0.2 mg/m ³
United Kingdom	WEL STEL (ppm)	0.05 ppm
United Kingdom	Remark (WEL)	Sen (Capable of causing occupational asthma)
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE
Switzerland	MAK (mg/m ³)	0.21 mg/m ³
Switzerland	MAK (ppm)	0.05 ppm
Switzerland	KZGW (mg/m ³)	0.42 mg/m ³
Switzerland	KZGW (ppm)	0.1 ppm
USA - ACGIH	ACGIH Ceiling (ppm)	0.05 ppm

Propan-2-ol (67-63-0)		
EU	IOELV TWA (mg/m ³)	983 mg/m ³
EU	IOELV TWA (ppm)	400 ppm
Belgium	Limit value (mg/m ³)	500 mg/m ³ (8h)
Belgium	Limit value (ppm)	200 ppm (8h)
Belgium	Short time value (mg/m ³)	1000 mg/m ³ (15min)
Belgium	Short time value (ppm)	400 ppm (15min)
Germany	TRGS 910 Acceptable concentration notes	
USA - ACGIH	Biological Exposure Indices (BEI)	40 mg/l

Didecyldimethylammonium chloride (7173-51-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	8.6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	18.2 mg/m ³
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)	0.00029 mg/l Assessment factor: 100
PNEC (Sediment)	
PNEC sediment (freshwater)	2.82 mg/kg dwt Assessment factor: 1
PNEC sediment (marine water)	0.28 mg/kg dwt Assessment factor: 10
PNEC (Soil)	
PNEC soil	1.4 mg/kg dwt Assessment factor: 50
PNEC (STP)	
PNEC sewage treatment plant	0.595 mg/l Assessment factor: 10

Glutaraldehyde (111-30-8)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	0.5 mg/m ³

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Glutaraldehyde (111-30-8)	
Long-term - local effects, inhalation	0.25 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.0025 mg/l Assessment factor: 10
PNEC aqua (marine water)	0.00025 mg/l Assessment factor: 100
PNEC aqua (intermittent, freshwater)	0.006 mg/l Assessment factor: 100
PNEC (Sediment)	
PNEC sediment (freshwater)	0.527 mg/kg dwt
PNEC sediment (marine water)	0.0527 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.03 mg/kg dwt Assessment factor: 50
PNEC (STP)	
PNEC sewage treatment plant	0.8 mg/l Assessment factor: 100
Propan-2-ol (67-63-0)	
PNEC (Water)	
PNEC aqua (freshwater)	140.9 mg/l (Assessment factor: 1)
PNEC aqua (marine water)	140.9 mg/l (Assessment factor: 1)
PNEC aqua (intermittent, freshwater)	140.9 mg/l (Assessment factor: 1)
PNEC (Sediment)	
PNEC sediment (freshwater)	552 mg/kg dwt
PNEC sediment (marine water)	552 mg/kg dwt
PNEC (Soil)	
PNEC soil	28 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	0.00016 kg/kg food (Assessment factor: 30)
PNEC (STP)	
PNEC sewage treatment plant	2251 mg/l (Assessment factor: 1)
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	< mg/kg bodyweight/day
Long-term - systemic effects, dermal	5.7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3.96 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	3.4 mg/kg bodyweight/day
Long-term - systemic effects, dermal	3.4 mg/kg bodyweight/day
Long-term - local effects, inhalation	1.64 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.0009 mg/l
PNEC aqua (marine water)	0.00096 mg/l
PNEC aqua (intermittent, freshwater)	0.00016 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	12.27 mg/kg dwt
PNEC sediment (marine water)	13.09 mg/kg dwt
PNEC (Soil)	
PNEC soil	7 mg/kg dwt

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Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

PNEC (STP)

PNEC sewage treatment plant	0.4 mg/l
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8.2. Exposure controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation.

Materials for protective clothing:

Condition	Material	Standard
Good resistance:		EN14605:2005+A1:2009

Hand protection:

Gloves. Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Polyvinylchloride (PVC)	6 (> 480 minutes)	0.5	2 (< 1.5)	EN ISO 374-1

Eye protection:

Eye protection should only be necessary where liquid could be splashed or sprayed. Use eye protection according to EN 166, designed to protect against liquid splashes. Mechanical Strength: 3

Type	Use	Characteristics	Standard
Safety glasses, Safety goggles	Droplet	clear, Plastic	EN 166

Skin and body protection:

Protective clothing compliant with EN 943 part 2. If skin contact or contamination of clothing is likely, protective clothing should be worn.

Type	Standard
	EN14605:2005+A1:2009

Respiratory protection:

Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material. Full-/half-/quarter-face masks (DIN EN 136/140)

Device	Filter type	Condition	Standard
Reusable half mask	Type P2	Protection for Liquid particles, Vapour protection, Long term exposure	EN 143, EN 140

Personal protective equipment symbol(s):



Other information:

When using do not eat, drink or smoke. Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: No data available
Odour threshold	: No data available
pH	: 3 - 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	: 60 °C

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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	: ca 1
Solubility	: No data available
Log Pow	: 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

In use, may form flammable/explosive vapour-air mixture.

10.2. Chemical stability

The product is stable in the test system for the test duration.

10.3. Possibility of hazardous reactions

In use, may form flammable/explosive vapour-air mixture.

10.4. Conditions to avoid

Flame. Heating. Protect from sunlight.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Release of: Flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Harmful in contact with skin.
Acute toxicity (inhalation)	: Harmful if inhaled.

ATE CLP (oral)	500 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (vapours)	11 mg/l/4h

Didecyldimethylammonium chloride (7173-51-5)

LD50 oral	238 mg/kg
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Glutaraldehyde (111-30-8)

LD50 oral	77 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	0.28 mg/l/4h

Propan-2-ol (67-63-0)

LD50 oral rat	4700 - 5500 mg/kg
LC50 inhalation rat (mg/l)	46 - 73 mg/l/4h

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

LD50 oral	344 mg/kg
LD50 dermal	300 mg/kg

Skin corrosion/irritation : Causes severe skin burns and eye damage.
pH: 3 - 5

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Serious eye damage/irritation	: Serious eye damage, category 1, implicit pH: 3 - 5
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: N : Dangerous for the environment.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

LC50 other aquatic organisms 1	0.03 mg/l Algae
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12.2. Persistence and degradability

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Persistence and degradability	The surfactant contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
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Propan-2-ol (67-63-0)

Biodegradation	95 %
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No indication of bioaccumulation potential.
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Didecyldimethylammonium chloride (7173-51-5)

Log Kow	2.59
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Glutaraldehyde (111-30-8)

Log Kow	-0.36
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Propan-2-ol (67-63-0)

Log Kow	0.05
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Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

Log Kow	2.96
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

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According to OSHA 29 CFR 1910.1200

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods	: Dispose of this material and its container at hazardous or special waste collection point. Hazardous waste due to toxicity. Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: When totally empty, containers are recyclable like any other packing. Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.
Ecology - waste materials	: Avoid release to the environment. Hazardous waste due to toxicity.
European List of Waste (LoW) code	: 07 06 01* - aqueous washing liquids and mother liquors

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR)	: UN 1760
UN-No. (IMDG)	: UN 1760
UN-No. (IATA)	: UN 1760
UN-No. (ADN)	: UN 1760
UN-No. (RID)	: UN 1760

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: CORROSIVE LIQUID, N.O.S. (CONTAINS Alkyldimethylbenzylammoniumchloride Glutaraldehyde)
Proper Shipping Name (IMDG)	: CORROSIVE LIQUID, N.O.S. (CONTAINS Alkyldimethylbenzylammoniumchloride Glutaraldehyde)
Proper Shipping Name (IATA)	: CORROSIVE LIQUID, N.O.S. (CONTAINS Alkyldimethylbenzylammoniumchloride Glutaraldehyde)
Proper Shipping Name (ADN)	: CORROSIVE LIQUID, N.O.S. (CONTAINS Alkyldimethylbenzylammoniumchloride Glutaraldehyde)
Proper Shipping Name (RID)	: CORROSIVE LIQUID, N.O.S. (CONTAINS Alkyldimethylbenzylammoniumchloride Glutaraldehyde)
Transport document description (ADR)	: UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS Alkyldimethylbenzylammoniumchloride Glutaraldehyde), 8, III, (E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	: UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS Alkyldimethylbenzylammoniumchloride Glutaraldehyde), 8, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	: UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS Alkyldimethylbenzylammoniumchloride Glutaraldehyde), 8, III, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN)	: UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS Alkyldimethylbenzylammoniumchloride Glutaraldehyde), 8, III, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID)	: UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS Alkyldimethylbenzylammoniumchloride Glutaraldehyde), 8, III, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: 8
Danger labels (ADR)	: 8



IMDG

Transport hazard class(es) (IMDG)	: 8
Danger labels (IMDG)	: 8

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IATA

Transport hazard class(es) (IATA) : 8

Danger labels (IATA) : 8



ADN

Transport hazard class(es) (ADN) : 8

Danger labels (ADN) : 8



RID

Transport hazard class(es) (RID) : 8

Danger labels (RID) : 8



14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : III

Packing group (RID) : III

14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : Clean up even minor leaks or spills, if possible, without unnecessary risk

14.6. Special precautions for user

Special transport precautions : Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency, No naked flames, sparks, and do not smoke, Keep public away from danger area, NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY

Overland transport

Classification code (ADR) : C9

Special provisions (ADR) : 274

Limited quantities (ADR) : 5I

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T7

Portable tank and bulk container special provisions (ADR) : TP1, TP28

Tank code (ADR) : L4BN

Vehicle for tank carriage : AT

Transport category (ADR) : 3

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Special provisions for carriage - Packages (ADR) : V12
Hazard identification number (Kemler No.) : 80
Orange plates :



Tunnel restriction code (ADR) : E
EAC code : 2X
APP code : B

Transport by sea

Special provisions (IMDG) : 223, 274
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T7
Tank special provisions (IMDG) : TP1, TP28
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B
Stowage category (IMDG) : A
Stowage and handling (IMDG) : SW2
Properties and observations (IMDG) : Causes burns to skin, eyes and mucous membranes.

Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y841
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 852
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 856
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3
ERG code (IATA) : 8L

Inland waterway transport

Classification code (ADN) : C9
Special provisions (ADN) : 274
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EP
Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : C9
Special provisions (RID) : 274
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, LP01, R001
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T7
Portable tank and bulk container special provisions (RID) : TP1, TP28
Tank codes for RID tanks (RID) : L4BN
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 80

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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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

Substances subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals: Didecyldimethylammonium chloride (7173-51-5)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

California Cleaning Product Right to Know Act of 2017 (SB 258)

Component	CAS-No.	Function	List(s)
Water	7732-18-5	Diluent	Not Applicable
Benzalkonium Chloride	68424-85-1	Active Ingredient	Not Applicable
Isopropyl Alcohol	67-63-0	Solvent	List 20: OEHHA RELs
Glutaral	111-30-8	Active Ingredient	List 8: EU Respiratory Sensitizers List 20: OEHHA RELs
Didecyldimonium Chloride	7173-51-5	Active Ingredient	Not Applicable
Pinus Palustris Oil	8002-09-3	Fragrance Ingredient	Not Applicable

Other information, restriction and prohibition regulations

: Ensure all national/local regulations are observed. PIC Regulation EU (649/2012) - Export and Import of hazardous chemicals. {0} is subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

15.1.2. National regulations

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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Other information : DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:	
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1

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Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

SDS_U

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.