

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

1.1. Product identifier

Product name : Virocid® Dye Free
 Product code : 224

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

1.2.1. Relevant identified uses
 No additional information available

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
Worldwide	www.who.int/ipcs/poisons/centre/directory/en		

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Xn; R20/21/22
 Xn; R42
 C; R34
 Xi; R43
 N; R50
 R10

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects
 No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazard statements (CLP) :

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

Precautionary statements (CLP) :

P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing
 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 or doctor/physician Specific treatment.
 P302+P352+P312+P321 : IF ON SKIN: Wash with plenty of soap and water Call a POISON CENTER or doctor if you feel unwell. Specific treatment.
 P301+P330+P331+P310+P321: IF SWALLOWED : Rinse mouth Do NOT induce vomiting Immediately call a POISON CENTER or doctor/physician Specific treatment.

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according to Regulation (EC) No. 453/2010

Labelling according to Directive 67/548/EEC or 1999/45/EC

Hazard symbols



C - Corrosive

N - Dangerous for the environment

R-phrases

: R10 - Flammable
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed
R34 - Causes burns
R42/43 - May cause sensitization by inhalation and skin contact
R50 - Very toxic to aquatic organisms

S-phrases

: S2 - Keep out of the reach of children
S13 - Keep away from food, drink and animal feedingstuffs
S20/21 - When using do not eat, drink or smoke
S23 - Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28 - After contact with skin, wash immediately with plenty of water
S35 - This material and its container must be disposed of in a safe way
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection
S42 - During fumigation/spraying wear suitable respiratory equipment (appropriate wording to be specified by the manufacturer)
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
S60 - This material and its container must be disposed of as hazardous waste
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product Identifier	%	Classification according to Directive 67/548/EEC
Alkyldimethylbenzylammoniumchloride	(CAS No)68424-85-1 (EC no)270-325-2 (REACH-no)01-2119945987-15	15 - 30	Xn; R21/22 C; R34 N; R50
Didecyldimethylammonium chloride	(CAS No)7173-51-5 (EC no)230-525-2 (EC index no)612-131-00-6	5 - 15	Xn; R22 C; R34
Glutaraldehyde	(CAS No)111-30-8 (EC no)203-856-5 (EC index no)605-022-00-X (REACH-no)01-2119455549-26	5 - 15	T; R23/25 Xn; R42 C; R34 Xi; R43 N; R50
Propan-2-ol	(CAS No)67-63-0 (EC no)603-117-00-0 (EC index no)200-661-7 (REACH-no)01-2119457558-25	5 - 15	F; R11 Xi; R36 R67
Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alkyldimethylbenzylammoniumchloride	(CAS No)68424-85-1 (EC no)270-325-2 (REACH-no)01-2119945987-15	15 - 30	Skin Corr. 1B, H314 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400
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
Glutaraldehyde	(CAS No)111-30-8 (EC no)203-856-5 (EC index no)605-022-00-X (REACH-no)01-2119455549-26	5 - 15	Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314 Resp. Sens. 1, H334 Skin Sens. 1, H317 Aquatic Acute 1, H400

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Propan-2-ol	(CAS No)67-63-0 (EC no)603-117-00-0 (EC Index no)200-661-7 (REACH-no)01-2119457558-25	5 - 15	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of R-, H- and EUH-phrases: 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/injuries after inhalation : Cough. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Symptoms/injuries after skin contact : erythema (redness). Causes burns.
- Symptoms/injuries after eye contact : Conjunctival redness. Impairment of vision. Causes tears.
- Symptoms/injuries 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.
- Reactivity : In use, may form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

- Precautionary measures fire : Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.
- 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.

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

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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 : Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children. Proper grounding procedures to avoid static electricity should be followed.
- Hygiene measures : Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood.

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
United Kingdom	WEL TWA (mg/m ³)	15min - 8h 0,2 mg/m ³
United Kingdom	WEL TWA (ppm)	15min - 8h 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

8.2. Exposure controls

- Appropriate engineering controls : Provide adequate ventilation as well as local exhaust at critical locations.
- Personal protective equipment : Protective goggles. Protective clothing. Gloves. Face shield. Insufficient ventilation: wear respiratory protection. Emergency shower installed.



- Hand protection : Wear protective gloves. DIN EN 374.
- Eye protection : goggles. Face protection shield. DIN EN 166.
- Skin and body protection : Wear suitable protective clothing. DIN EN 943.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.
- Other information : When using do not eat, drink or smoke.

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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
Self 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
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

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	: Harmful by inhalation, in contact with skin and if swallowed.
Irritation	: Not classified pH: 3 - 5
Corrosivity	: Causes burns. pH: 3 - 5
Sensitisation	: May cause sensitization by inhalation and skin contact.
Repeated dose toxicity	: Not classified
Carcinogenicity	: Not classified
Mutagenicity	: Not classified
Toxicity for reproduction	: Not classified

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : N : Dangerous for the environment.

12.2. Persistence and degradability

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Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

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

Biodegradation

95 %

12.3. Bioaccumulative potential

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Bioaccumulative potential

No indication of bioaccumulation potential.

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

Regional legislation (waste) : Dispose of this material and its container to hazardous or special waste collection point. Observe in addition any national regulations!.

SECTION 14: Transport information

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

14.1. UN number

UN-No : 1760

14.2. UN proper shipping name

Proper Shipping Name : CORROSIVE LIQUID, N.O.S.

Transport document description : UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS Alkyldimethylbenzylammoniumchloride Glutaraldehyde), 8, III, (E)

14.3. Transport hazard class(es)

Class (UN) : 8

Hazard labels (UN) : 8



14.4. Packing group

Packing group (UN) : III

14.5. Environmental hazards

Dangerous for the environment



Other information : No supplementary information available.

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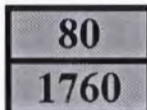
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14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 80
Classification code (ADR) : C9
Orange plates :



Tunnel restriction code : E
Excepted quantities (ADR) : E1
EAC code : 2X

14.6.2. Transport by sea

Not applicable

14.6.3. Air 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

No REACH Annex XVII restrictions
Contains no REACH candidate substance

15.1.2. National regulations

Water hazard class (WGK) : 2 - hazardous to water

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

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

Flam. Liq. 3	H226
Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Inhalation:vapour)	H332
Skin Corr. 1B	H314
Resp. Sens. 1	H334
Skin Sens. 1	H317
Aquatic Acute 1	H400

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Full text of R-, H- and EUH-phrases::

Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Resp. Sens. 1	Sensitisation — Respiratory, category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Sens. 1	Sensitisation — Skin, category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H301	Toxic if swallowed
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
R10	Flammable
R11	Highly flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R21/22	Harmful in contact with skin and if swallowed
R22	Harmful if swallowed
R23/25	Toxic by inhalation and if swallowed
R34	Causes burns
R36	Irritating to eyes
R42	May cause sensitization by inhalation
R43	May cause sensitisation by skin contact
R50	Very toxic to aquatic organisms
R67	Vapours may cause drowsiness and dizziness
C	Corrosive
F	Highly flammable
N	Dangerous for the environment
T	Toxic
Xi	Irritant
Xn	Harmful

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