

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Virocid Dye Free  
Product code : 224  
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 : 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

##### Manufacturer

CID LINES NV N.V.  
Waterpoortstraat, 2  
BE- B-8900 Ieper  
Belgique  
T + 32 57 21 78 77 - F +32 57 21 78 79  
[sds@cidlines.com](mailto:sds@cidlines.com) - <http://www.cidlines.com>

##### Importer

Best Veterinary Solutions, Inc  
1716 Detroit St  
P.O. Box 370  
IA 50075 Ellsworth  
United States of America  
T 888-378-4045  
<https://www.bestvetsolutions.com/>

#### 1.4. Emergency telephone number

Country	Organization/Company	Address	Emergency number	Comment
Canada	CANUTEC Country Organization/Company Address Emergency number Comment		(613) 996-6666	
USA	American Association of Poison Control Centers		1-800-222-1222	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Labelling according to OSHA 29 CFR 1910.1200

Acute toxicity (oral) Category 4 H302  
Acute toxicity (dermal), Category 4 H312  
Acute toxicity (inhalation:vapor) Category 4 H332  
Skin corrosion/irritation, Category 1, Sub-Category 1B H314  
Respiratory sensitization, Category 1 H334  
Skin sensitization, Category 1 H317  
Hazardous to the aquatic environment - Acute Hazard Category 1 H400  
Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

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## Safety Data Sheet

According to OSHA 29 CFR 1910.1200

### 2.2. Label elements

#### Labelling according to OSHA 29 CFR 1910.1200

Hazard pictograms (CLP) :



Signal word (CLP) :

Contains :

Hazard statements (CLP) :

Precautionary statements (CLP) :

- : Danger
- : Didecyldimethylammonium chloride, Glutaraldehyde, Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
- : 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 an allergy or asthma symptoms or breathing difficulties if inhaled.  
H400 - Very toxic to aquatic life.
- : P260 - Do not breathe vapors, spray, mist.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a poison center or doctor/physician.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

Component	
Glutaraldehyde (111-30-8)	This substance/mixture does not meet the PBT criteria of REACH, annex XIII This substance/mixture does not meet the vPvB criteria of REACH, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Glutaraldehyde(111-30-8)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

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According to OSHA 29 CFR 1910.1200

### 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)
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 substance listed as REACH Candidate (Glutaral)	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 Index-No.: 200-661-7	5 – 15	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of H- and EUH-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. Seek medical attention immediately.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical advice (show the label where possible).
First-aid measures after eye contact	: Rinse immediately with plenty of water. Seek medical attention immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting because of corrosive effects. Take to hospital.

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

Symptoms/effects after inhalation	: Inhalation of vapor can cause breathing difficulties. Cough. Sore throat.
Symptoms/effects after skin contact	: Redness, pain. Causes severe skin burns and eye damage.
Symptoms/effects after eye contact	: Redness, pain. Blurred vision. Tears. Serious damage to eyes.
Symptoms/effects after ingestion	: Burning sensation. Cough. Cramps. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Swallowing a small quantity of this material will result in serious health hazard.

### 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	: Dry chemical. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not sustained combustibility.
Explosion hazard	: Not expected to be a fire/explosion hazard under normal conditions of use.
Reactivity in case of fire	: At high temperature may liberate dangerous gases.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

### 5.3. Advice for firefighters

Precautionary measures fire	: Wear fire/flare resistant/retardant clothing. Eliminate all ignition sources if safe to do so.
Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flare resistant/retardant clothing. Heat resistant gloves.
Other information	: On exposure to high temperature, may decompose, releasing toxic gases.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Stop leak if safe to do so. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Avoid all unnecessary exposure. Wear suitable protective clothing. Ensure adequate ventilation. Do not breathe vapors.
Emergency procedures	: Do not touch or walk on the spilled product. Evacuate area. Do not breathe vapors. Avoid contact with skin, eyes and clothing.

#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Do not touch spilled material. Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate area.

### 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

For containment	: Stop leak, if possible without risk. Collect spillage. Use suitable disposal containers.
Methods for cleaning up	: Clean up any spills as soon as possible, using an absorbent material to collect it.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: When handling product, avoid contact with skin and eyes. Wear personal protective equipment. Do not breathe vapor/aerosol. Provide good ventilation in process area to prevent formation of vapor.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking 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. Do not store in corrodable metal. Keep container closed when not in use. Protect from freezing.
Storage area	: Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

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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

#### 8.1.1 National occupational exposure and biological limit values

Glutaraldehyde (111-30-8)	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL Ceiling [ppm]	0.05 ppm
Propan-2-ol (67-63-0)	
<b>USA - ACGIH - Biological Exposure Indices</b>	
BEI (BLV)	40 mg/l

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

Didecyltrimethylammonium chloride (7173-51-5)	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	8.6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	18.2 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
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
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	2.82 mg/kg dwt Assessment factor: 1
PNEC sediment (marine water)	0.28 mg/kg dwt Assessment factor: 10
<b>PNEC (Soil)</b>	
PNEC soil	1.4 mg/kg dwt Assessment factor: 50
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	0.595 mg/l Assessment factor: 10
Glutaraldehyde (111-30-8)	
<b>DNEL/DMEL (Workers)</b>	
Acute - local effects, inhalation	0.5 mg/m <sup>3</sup>
Long-term - local effects, inhalation	0.25 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.0025 mg/l Assessment factor: 10

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

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

#### PNEC (Soil)

PNEC soil 7 mg/kg dwt

#### PNEC (STP)

PNEC sewage treatment plant 0.4 mg/l

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protective equipment

Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

#### Eye protection:

Wear security glasses which protect from splashes. Safety glasses with side shields

#### Eye protection

Type	Field of application	Characteristics	Standard
Safety glasses, Face shield, Safety glasses with side shields	Droplet	clear, Plastic	EN 166

##### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Skin and body protection

Type	Standard
protective clothing	EN14605:2005+A 1:2009

#### Hand protection:

Wear suitable gloves resistant to chemical penetration

#### Hand protection

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Polyvinylchloride (PVC)	6 (> 480 minutes)	0.5	2 (< 1.5)	EN ISO 374
Reusable gloves	butyl rubber	6 (> 480 minutes)	0.7	2 (< 1.5)	EN ISO 374-1
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.4	2 (< 1.5)	EN ISO 374-1

##### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material

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Respiratory protection			
Device	Filter type	Condition	Standard
Half-mask	ABEK-P2	Protection for Liquid particles, vapor protection, Long term exposure	EN 132, EN 140

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information:

When using do not eat, drink or smoke. Provide local exhaust or general room ventilation.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless.
Appearance	: clear.
Odor	: Not available
Odor threshold	: The product has not been tested
Melting point	: The product has not been tested
Freezing point	: The product has not been tested
Boiling point	: The product has not been tested
Flammability	: Not applicable
Oxidizing properties	: Non oxidizing material according to EC criteria.
Explosion limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 39.8 °C Does not sustain combustion per ASTM D4206
Auto-ignition temperature	: The product has not been tested
Decomposition temperature	: The product has not been tested
pH	: 3 – 5
Viscosity, kinematic	: Not available
Solubility	: Water: 100 % Ethanol: The product has not been tested Ether: The product has not been tested Acetone: The product has not been tested Organic solvent: The product has not been tested
Partition coefficient n-octanol/water (Log Kow)	: The product has not been tested
Partition coefficient n-octanol/water (Log Pow)	: The product has not been tested
Vapor pressure	: The product has not been tested
Vapor pressure at 50 °C	: The product has not been tested
Critical pressure	: The product has not been tested
Density	: ≈ 1 kg/l
Relative density	: The product has not been tested
Relative vapor density at 20 °C	: The product has not been tested
Relative density of saturated gas/air mixture	: The product has not been tested
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable



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### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

Not sustained combustibility : Yes  
Critical temperature : The product has not been tested

#### 9.2.2. Other safety characteristics

Relative evaporation rate (butyl acetate=1) : The product has not been tested  
Relative evaporation rate (ether=1) : The product has not been tested  
Relative evaporation rate (water=1) : The product has not been tested  
Relative evaporation rate (ethanol=1) : The product has not been tested

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions.

### 10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Flame. Heating. Protect from sunlight.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Corrosive vapours.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

Virocid Dye Free	
ATE CLP (oral)	500 mg/kg body weight
ATE CLP (dermal)	1100 mg/kg body weight
ATE CLP (vapors)	11 mg/l/4h
Didecyldimethylammonium chloride (7173-51-5)	
LD50 oral	238 mg/kg
Glutaraldehyde (111-30-8)	
LD50 oral	77 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	0.28 mg/l/4h
Propan-2-ol (67-63-0)	
LD50 oral rat	4700 – 5500 mg/kg

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Propan-2-ol (67-63-0)	
LC50 Inhalation - Rat	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. pH: 3 – 5
Serious eye damage/irritation	: Assumed to cause serious eye damage pH: 3 – 5
Respiratory or skin sensitization	: May cause an 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

Glutaraldehyde (111-30-8)	
STOT-single exposure	May cause respiratory irritation.

Propan-2-ol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: This product contains hazardous components 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

### 12.2. Persistence and degradability

Virocid Dye Free	
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.

Propan-2-ol (67-63-0)	
Biodegradation	95 %

### 12.3. Bioaccumulative potential

Virocid Dye Free	
Partition coefficient n-octanol/water (Log Pow)	The product has not been tested
Partition coefficient n-octanol/water (Log Kow)	The product has not been tested

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Virocid Dye Free	
Bioaccumulative potential	No indication of bioaccumulation potential.
Didecyldimethylammonium chloride (7173-51-5)	
Partition coefficient n-octanol/water (Log Kow)	2.59
Glutaraldehyde (111-30-8)	
Partition coefficient n-octanol/water (Log Kow)	-0.36
Propan-2-ol (67-63-0)	
Partition coefficient n-octanol/water (Log Kow)	0.05
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
Partition coefficient n-octanol/water (Log Kow)	2.96

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

Component	
Glutaraldehyde (111-30-8)	This substance/mixture does not meet the PBT criteria of REACH, annex XIII This substance/mixture does not meet the vPvB criteria of REACH, annex XIII

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## 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.

## SECTION 14: Transport information

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

### 14.1. UN number or ID 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

# Virocid Dye Free

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### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: CORROSIVE LIQUID, N.O.S. (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. (Alkyldimethylbenzylammoniumchloride Glutaraldehyde)
Proper Shipping Name (RID)	: CORROSIVE LIQUID, N.O.S. (Alkyldimethylbenzylammoniumchloride Glutaraldehyde)
Transport document description (ADR)	: UN 1760 CORROSIVE LIQUID, N.O.S. (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. (Alkyldimethylbenzylammoniumchloride Glutaraldehyde), 8, III, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID)	: UN 1760 CORROSIVE LIQUID, N.O.S. (Alkyldimethylbenzylammoniumchloride Glutaraldehyde), 8, III, ENVIRONMENTALLY HAZARDOUS

### 14.3. Transport hazard class(es)

#### ADR

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



#### IMDG

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



#### IATA

Transport hazard class(es) (IATA) : 8  
Hazard labels (IATA) : 8



#### ADN

Transport hazard class(es) (ADN) : 8  
Hazard labels (ADN) : 8



#### RID

Transport hazard class(es) (RID) : 8  
Hazard labels (RID) : 8

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### 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

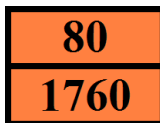
Dangerous for the environment	: Yes
Marine pollutant	: Yes
Other information	: Clean up even minor leaks or spills, if possible, without unnecessary risk

### 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
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#### Overland transport

Classification code (ADR)	: C9
Special provision (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
Special provisions for carriage - Packages (ADR)	: V12
Hazard identification number (Kemler No.)	: 80
Orange plates	:



Tunnel restriction code (ADR)	: E
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#### Transport by sea

Special provision (IMDG)	: 223, 274
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

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PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provision (IATA)	: A3, A803
ERG code (IATA)	: 8L

### Inland waterway transport

Classification code (ADN)	: C9
Special provision (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 provision (RID)	: 274
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. Maritime transport in bulk according to IMO instruments

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 a substance on the REACH candidate list: Glutaral (EC 203-856-5, CAS 111-30-8)

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

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Other regulations, restrictions 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

No additional information available

### 15.2. Chemical safety assessment

No additional information available

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### 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-phrases:

Acute Tox. 2 (Inhalation)	Acute toxicity (inhalation) 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:vapor)	Acute toxicity (inhalation:vapor) 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
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids Category 2
H225	Highly flammable liquid and vapor.
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 an 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.
Resp. Sens. 1	Respiratory sensitization, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Sens. 1	Skin sensitization, Category 1

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### Full text of H- and EUH-phrases:

Skin Sens. 1A	Skin sensitization, Category 1A
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

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.