

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

1.1. Product identifier

Product form : Mixture
 Product name : Cid 20
 Product code : I53

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

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 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	
New Zealand	The National Poisons Centre	University of Otago, 2nd Floor, Adams Building, 18 Frederick Street, 9016 Dunedin	0800 764 766 0800 POISON	
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	
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]

Acute toxicity (oral), Category 4 H302
 Acute toxicity (dermal), Category 3 H311
 Acute toxicity (inhal.), Category 3 H331
 Skin corrosion/irritation, Category 1B H314
 Serious eye damage/eye irritation, Category 1 H318
 Respiratory sensitisation, Category 1 H334
 Skin sensitisation, Category 1 H317
 Germ cell mutagenicity, Category 2 H341
 Carcinogenicity, Category 1B H350
 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 Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

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Hazard statements (CLP) : H302 - Harmful if swallowed.
 H311+H331 - Toxic 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.
 H341 - Suspected of causing genetic defects.
 H350 - May cause cancer.
 H400 - Very toxic to aquatic life.

Precautionary statements (CLP) : P201 - Obtain special instructions before use.
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 - IF exposed or concerned: Get medical advice/attention.
 P310 - Immediately call a POISON CENTER/doctor.

EUH-statements : EUH071 - Corrosive to the respiratory tract.

2.3. Other hazards

No additional information available

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]
Glutaraldehyde	(CAS-No.) 111-30-8 (EC-No.) 203-856-5 (EC Index-No.) 605-022-00-X	5 - 20	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
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	(CAS-No.) 68424-85-1 (EC-No.) 270-325-2	4 - 15	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10)
Formaldehyde	(CAS-No.) 50-00-0 (EC-No.) 200-001-8 (EC Index-No.) 605-001-00-5 (REACH-no) 01-2119488953-20	5 - 15	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H335
Glyoxal	(CAS-No.) 107-22-2 (EC-No.) 203-474-9 (EC Index-No.) 605-016-00-7 (REACH-no) 01-2119461733-37	1 - 5	Acute Tox. 4 (Inhalation), H332 Muta. 2, H341 Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317
Propan-2-ol	(CAS-No.) 67-63-0 (EC-No.) 603-117-00-0 (EC Index-No.) 200-661-7	1 - 5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Formaldehyde	(CAS-No.) 50-00-0 (EC-No.) 200-001-8 (EC Index-No.) 605-001-00-5 (REACH-no) 01-2119488953-20	(0.2 =<C < 100) Skin Sens. 1, H317 (5 =<C < 25) Skin Irrit. 2, H315 (5 =<C < 25) Eye Irrit. 2, H319 (5 =<C < 100) STOT SE 3, H335 (25 =<C < 100) Skin Corr. 1B, H314

Full text of H-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Allow affected person to breathe fresh air. Obtain medical attention if breathing difficulty persists.
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 attention if ill effect or irritation develops.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Contact ophthalmologist immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting because of corrosive effects. Call a physician immediately.

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

Explosion hazard : High temperature may liberate dangerous gases.

5.3. Advice for firefighters

Firefighting instructions	: Avoid (reject) fire-fighting water to enter environment. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Not combustible.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Equip cleanup crew with proper protection. Respiratory protection equipment may be necessary.

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 : Clean up any spills as soon as possible, using an absorbent material to collect it. Dilute residues and flush. Recover the cleaning water for later disposal.

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 : Where contact with eyes or skin is likely, wear suitable protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep at temperature not exceeding 50 °C. Store in dry, cool, well-ventilated area. Protect from freezing.

Storage area : Germany: Storage class (LGK): 6.1 D - Non-combustible substances of acute toxicity, category 3/hazardous substances that are toxic or produce chronic effects.

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
Germany	TRGS 910 Acceptable concentration notes	

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Glutaraldehyde (111-30-8)		
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

Propan-2-ol (67-63-0)		
EU	IOELV TWA (mg/m ³)	983 mg/m ³
EU	IOELV TWA (ppm)	400 ppm
Germany	TRGS 910 Acceptable concentration notes	

Formaldehyde (50-00-0)		
EU	Local name	Formaldehyde
EU	IOELV TWA (ppm)	0.2 ppm
EU	IOELV STEL (ppm)	0.4 ppm
EU	Notes	skin sensitiser. (Year of adoption 2008) (Ongoing)
EU	Regulatory reference	SCOEL Recommendations
Germany	TRGS 910 Acceptable concentration notes	
United Kingdom	Local name	Formaldehyde
United Kingdom	WEL TWA (mg/m ³)	2.5 mg/m ³
United Kingdom	WEL TWA (ppm)	2 ppm
United Kingdom	WEL STEL (mg/m ³)	2.5 mg/m ³
United Kingdom	WEL STEL (ppm)	2 ppm
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

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
Glutaraldehyde (111-30-8)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	0.5 mg/m ³
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)
Formaldehyde (50-00-0)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	1 mg/m ³
Long-term - systemic effects, dermal	240 mg/kg bodyweight/day Assessment factor: 12
Long-term - local effects, dermal	0.037 mg/cm ² Assessment factor: 1
Long-term - systemic effects, inhalation	9 mg/m ³ Assessment factor: 1
Long-term - local effects, inhalation	0.5 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	4.1 mg/kg bodyweight/day Assessment factor: 20
Long-term - systemic effects, inhalation	3.2 mg/m ³ Assessment factor: 1
Long-term - systemic effects, dermal	102 mg/kg bodyweight/day Assessment factor: 20
Long-term - local effects, dermal	0.012 mg/cm ² Assessment factor: 3
Long-term - local effects, inhalation	0.1 mg/m ³

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Formaldehyde (50-00-0)	
PNEC (Water)	
PNEC aqua (freshwater)	0.47 mg/l Assessment factor: 10
PNEC aqua (marine water)	0.47 mg/l Assessment factor: 10
PNEC aqua (intermittent, freshwater)	4.7 mg/l Assessment factor: 1
PNEC (Sediment)	
PNEC sediment (freshwater)	2.44 mg/kg dwt
PNEC sediment (marine water)	2.44 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.21 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0.19 mg/l Assessment factor: 100

8.2. Exposure controls

Hand protection:					
Wear suitable gloves resistant to chemical penetration. 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 to EN 166, designed to protect against liquid splashes. Field of use: B:B. Mechanical Strength: 3:3					
Type	Use	Characteristics	Standard		
Safety glasses, Safety goggles	Droplet	clear, Plastic	EN 166		
Skin and body protection:					
If skin contact or contamination of clothing is likely, protective clothing should be worn.					
Type	Standard				
	EN14605:2005+A1:2009				
Respiratory protection:					
Approved 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	Filter type A/P2	Long term exposure	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	: Blue.
Odour	: Aldehyde.
Odour threshold	: No data available
pH	: ≈ 5.5 (100%)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available

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Freezing point	: -10 °C
Boiling point	: 96 °C
Flash point	: 61.5 °C
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	: ≈ 1.04 kg/l
Solubility	: Water: 100 %
Log Pow	: No data available
Viscosity, kinematic	: ≈ 0.273 mm ² /s
Viscosity, dynamic	: ≈ 0.284 cP
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

None under normal conditions.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Avoid contact with :Strong acids.Strong oxidizing agents.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

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LD50 oral rat	1912 mg/kg
ATE CLP (dermal)	300 mg/kg bodyweight
ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	3 mg/l/4h
ATE CLP (dust,mist)	0.5 mg/l/4h

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

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

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
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LC50 inhalation rat (mg/l)	46 - 73 mg/l/4h
Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: ≈ 5.5 (100%)
Serious eye damage/irritation	: Causes serious eye damage. pH: ≈ 5.5 (100%)
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Suspected of causing genetic defects.
Carcinogenicity	: May cause cancer.
Reproductive toxicity	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration hazard	: No data available

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Viscosity, kinematic	≈ 0.273 mm ² /s
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The surfactant contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
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.
Biodegradation	> 90 %

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

Biodegradation	95 %
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12.3. Bioaccumulative potential

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

Log Kow	2.96
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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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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

Waste treatment methods	: Hazardous waste. Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
European List of Waste (LoW) code	: 07 06 01* - aqueous washing liquids and mother liquors

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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. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ; Glutaraldehyde)
Proper Shipping Name (IMDG)	: CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ; Glutaraldehyde)
Proper Shipping Name (IATA)	: CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ; Glutaraldehyde)
Proper Shipping Name (ADN)	: CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ; Glutaraldehyde)
Proper Shipping Name (RID)	: CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ; Glutaraldehyde)
Transport document description (ADR)	: UN 1760 CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ; Glutaraldehyde), 8, III, (E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	: UN 1760 CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ; Glutaraldehyde), 8, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	: UN 1760 CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ; Glutaraldehyde), 8, III, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN)	: UN 1760 CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ; Glutaraldehyde), 8, III, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID)	: UN 1760 CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ; 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



IATA

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



ADN

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

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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 : The driver shall not attempt to deal with any fire of the load, No naked lights. No smoking, 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

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

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Stowage category (IMDG) : A
Stowage and handling (IMDG) : SW2

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

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:	
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ; Glyoxal ; Formaldehyde ; Glutaraldehyde ; Propan-2-ol
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Propan-2-ol
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ; Glyoxal ; Formaldehyde ; Glutaraldehyde ; Propan-2-ol
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ; Glutaraldehyde

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40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Propan-2-ol
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Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance 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.

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

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

15.1.2. National regulations

No additional information available

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:	
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), 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
Carc. 1B	Carcinogenicity, Category 1B
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
Muta. 2	Germ cell mutagenicity, Category 2
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
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.
H301	Toxic if swallowed.

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H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic 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.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

SDSCLP3

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.