

Kilcox Extra
Code: 036T0

Safety Data Sheet compliant with Regulation (EU) 2020/878

Version **7.0.2**
Creation date : **2022-04-19**
Revision: **2022-07-04**
Print Date : 2025-03-04

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name	Kilcox Extra
UFI :	D83E-C0U0-600T-72VA

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

Use of the product

SL – Soluble concentrate for professional use only.
BACTERICIDAL, YEASTICIDAL AND VIRUCIDAL DISINFECTING PRODUCT
FOR MATERIALS, EQUIPMENT AND SURFACES
Bactericidal and yeasticidal disinfection of surfaces, materials and
equipment in veterinary clinics.

1.3. Details of the supplier of the safety data sheet

Company identification

Kilco (International) Ltd
1A Trench Road
Mallusk, Newtownabbey
Belfast BT36 4TY Northern IRELAND
+44 (0) 1576 205480

For information regarding this safety data sheet, please contact :
regulatory@kersia-group.com

1.4. Emergency telephone number

Emergency phone number

Emergency direct number (24 hours a day, 7 days a week) : +44 1273
289451

CARECHEM 24
Tel. +44 1865 407333

For information or to report a poisoning incident contact The National
Poisons Information Centre:
+353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week).
Healthcare Professionals:
+353 (1) 809 2566 (24 hour service)
NHS: 111

SECTION 2: HAZARDS IDENTIFICATION

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2.1. Classification of the substance or mixture

The mixture meets the classification criteria provided for under Regulation (EC) No 1272/2008.

Acute toxicity - Category 4 (per oral route)	H302: Harmful if swallowed.
Skin corrosion - Category 1B	H314: Causes severe skin burns and eye damage.
Skin sensitisation - Category 1A	H317: May cause an allergic skin reaction.
Serious damage to eyes - Category 1	H318: Causes serious eye damage.
Acute toxicity - Category 3 (inhalation)	H331: Toxic if inhaled.
Respiratory sensitisation - Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Hazardous to the aquatic environment – Acute - Category 1	H400: Very toxic to aquatic life.
Hazardous to the aquatic environment – Chronic - Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to 1272/2008/EC Regulation:

Hazard pictograms(s) :



Signal word :
Danger

Contains : Glutaraldehyde+ Chlorocresol+ Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16))

Hazard statement(s) :

- H302: Harmful if swallowed.
- H314: Causes severe skin burns and eye damage.
- H317: May cause an allergic skin reaction.
- H331: Toxic if inhaled.
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H410: Very toxic to aquatic life with long lasting effects.
- EUH 071: Corrosive to the respiratory tract.

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Precautionary statement(s) :

P260: Do not breathe mist/vapours/spray.

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.

P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304 + P341: IF INHALED: If breathing is difficult, 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 this product and its container in a hazardous or special waste collection centre, compliant with local, regional, national and/or international regulations.

2.3. Other hazards

The mixture does not contain substance 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. in concentration greater than 0.1%.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable as this involves a mixture.

3.2. Mixtures

Chemical nature of the mixture : ACID LIQUID

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Substance(s)	CAS number(s)	EINECS number(s)	index	No registration REACH	Classification according to Regulation (EC) 1272/2008	SCL M-factor ATE	Type
10% <= Glutaraldehyde < 20%	111-30-8	203-856-5	605-022-00-X	Biocidal active substance, regarded as already registered	Acute Tox. 3 (oral) H301 Acute Tox. 2 (inhalation) H330 Skin Corr. 1B H314 Resp. Sens. 1 H334 STOT SE 3 H335 Skin Sens. 1A H317 Aquatic Acute 1 H400 Aquatic Chronic 2 H411 EUH 071	0.5% ≤ C < 5% STOT SE 3 H335 C ≥ 5% EUH 071 M Factor (Acute) 1	(1) (12)
5% <= Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) < 10%	68424-85-1	270-325-2		Biocidal active substance, regarded as already registered	Skin Corr. 1B H314 Acute Tox. 4 (oral) H302 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	M Factor (Acute) 10 M Factor (Chronic) 1	(1)
5% <= Chlorocresol < 10%	59-50-7	200-431-6	604-014-00-3	Biocidal active substance, regarded as already registered	STOT SE 3 H335 Acute Tox. 4 (oral) H302 Skin Corr. 1C H314 Skin Sens. 1B H317 Eye Dam. 1 H318 Aquatic Chronic 3 H412 Aquatic Acute 1 H400	M Factor (Acute) 1	(1)

Type

- (1) : Substance classified as hazardous for health and/or the environment
 (2) : Substance with an exposure limit at the work station.
 Substance of very high concern candidate for the authorisation procedure:
 (3) : Substance considered as PBT (persistent, bioaccumulable, toxic)
 (4) : Substance considered as vPvB (very persistent, very bioaccumulable)
 (5) : Substance considered as carcinogenic category 1A
 (6) : Substance considered as carcinogenic category 1B
 (7) : Substance considered as mutagenic category 1A
 (8) : Substance considered as mutagenic category 1B
 (9) : Substance considered as reprotoxic category 1A
 (10) : Substance considered as reprotoxic category 1B
 (11) : Substance considered as endocrine disrupter
 (12) : Other substance considered hazardous to health or the environment
 (N) : Nanomaterial
 (M) : Microorganisms

Full text of H- and EUH- phrases : see section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General indications:

Take the contaminated clothes and shoes off immediately. Wash them before wearing them again.
 In case of faintness , get medical advice/attention. Show this safety data sheet to the doctor.

In the event of inhalation :

Bring to fresh air.
 Put into practice respiratory help procedure if needed and get medical advice immediately.
 If breathing is difficult, a qualified person must administer oxygen.

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In the event of contact with the skin :

Take off immediately all contaminated clothing.
Wash immediately with plenty of water for 15 minutes at least.
Immediately call a POISON CENTER or doctor/physician.

In the event of contact with the eyes :

Rinse at once with a soft stream of water for at least 15 minutes, eyes wide open.
Remove contact lenses if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.

In the event of ingestion :

Rinse mouth.
Do NOT induce vomiting.
Send to hospital.

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

Skin contact : Corrosive : Causes severe burns.
May cause an allergic skin reaction.

Eye contact : Causes serious eye damage.

Ingestion : Harmful if swallowed.
Causes severe burns in mouth and digestive tract.

Inhalation : Corrosive to the respiratory tract.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

Treatments : Symptomatic treatment

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media :
Waterspray.
Foam, powder, carbon dioxide.

Unsuitable extinguishing media :
High pressure water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire, emission of pollutant gases and irritating vapors.
- carbon monoxide (CO)
- carbon dioxide (CO₂)

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5.3. Advice for firefighters

Wear independent respiratory equipment and protective suit.
Collect contaminated firefighting water separately, must not be discharged into the drains.
Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel :

Evacuate non-essential staff and those not equipped with individual protection apparatus.

6.1.2. For emergency responders :

Evacuate the personnel to a safe location.
Keep people upwind and away from the location of the flow/leak.
Use personal protection equipment.

6.2. Environmental precautions

Intervention limited to trained staff.
Do not discharge the product directly to sewer or to environment.
Take as soon as possible all incompatible materials away.

6.3. Methods and material for containment and cleaning up

Small spillage :
Pump in a reservoir of help.

Large spillage :
Never return spills in original containers for re-use.
Keep in suitable, properly labelled and closed containers for disposal.
Mark out, soak up with an inert absorbant and pump in an emergency tank.

6.4. Reference to other sections

Respect protective measures presented at heading 8.
Refer to section 13 for the elimination.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not breathe vapour.
Avoid contact with skin, eyes and clothing.
Do not breathe spray.
Do not eat, drink or smoke in work area. Avoid projections during use.
Do not mix with strong bases or strong acids.
Do not mix with strong oxidizing agents.
Operate in a well ventilated place.

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7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Storage :

Keep only in the original container.
Keep in a clean, cool and well-ventilated place away from sources of heat and intense light.
Keep away from incompatible matters (see heading 10).
Keep container closed.

7.2.2. Packaging or wrapping materials :

High density polyethylene recommended.

7.3. Specific end use(s)

Kilcox Extra is for use as a biocide.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limit values :

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Substance	CAS number	Country	Type	Value	Unit	Comments	source
polyoxyethylene	25322-68-3	AUT	OEL Short term	4000 inhalable aeros	mg/m ³		International limit values for chemical agents
			OEL 8h	1000 inhalable aeros	mg/m ³		International limit values for chemical agents
		CHE	OEL 8h	500	mg/m ³		International limit values for chemical agents
		DEU	OEL Short term	500 (2) (3) (4)	mg/m ³	Average molecular weight 200 – 600 (2) Inhalable fraction (3) Because formation of a mist is possible, exposure should be minimized for reasons of occupational safety and hygiene. (4) 15 minutes average value	International limit values for chemical agents (German Research Foundation)
			OEL 8h	250 (2) (3)	mg/m ³	Average molecular weight 200 – 600 (2) Inhalable fraction (3) Because formation of a mist is possible, exposure should be minimized for reasons of occupational safety and hygiene. (4) 15 minutes average value	International limit values for chemical agents (German Research Foundation)
		DNK	OEL Short term	2000	mg/m ³		International limit values for chemical agents
			OEL 8h	1000	mg/m ³		International limit values for chemical agents
Glutaraldehyde	111-30-8	AUT	OEL 8h	0,1	ppm		International limit values for chemical agents
				0,4	mg/m ³		International limit values for chemical agents
			OEL Short term	0,1	ppm		International limit values for chemical agents
				0,4	mg/m ³		International limit values for chemical agents
		BEL	OEL Short term	0,05	ppm		International limit values for chemical agents
				0,21	mg/m ³		International limit values for chemical agents
		CHE	OEL 8h	0,05	ppm		International limit values for chemical agents
				0,21	mg/m ³		International limit values for chemical agents
			OEL Short term	0,1	ppm		International limit values for chemical agents
				0,42	mg/m ³		International limit values for chemical agents
		DEU	OEL 8h	0,05	ppm		International limit values for chemical agents (German Committee on Hazardous Substances)
				0,2	mg/m ³		International limit values for chemical agents (German Committee on Hazardous Substances)
				0,05	ppm		International limit values for chemical agents (German Research Foundation)
				0,21	mg/m ³		International limit values for chemical agents (German Research Foundation)
			OEL Short term	0,1	ppm	STV 15 minutes average value A momentary value of 0,2 ml/m ³ (0,83 mg/gm ³) should not be exceeded.	International limit values for chemical agents (German Research Foundation)

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Glutaraldehyde	111-30-8	DEU	OEL Short term	0,42	mg/m³	STV 15 minutes average value A momentary value of 0,2 ml/m³ (0,83 mg/gm³) should not be exceeded.	International limit values for chemical agents (German Research Foundation)
				0,1	ppm	15 minutes average value	International limit values for chemical agents (German Committee on Hazardous Substances)
				0,4	mg/m³	15 minutes average value	International limit values for chemical agents (German Committee on Hazardous Substances)
		DNK	OEL 8h	0,2	ppm		International limit values for chemical agents
				0,8	mg/m³		International limit values for chemical agents
			OEL Short term	0,2	ppm		International limit values for chemical agents
				0,8	mg/m³		International limit values for chemical agents
		ESP	OEL Short term	0,05	ppm	sen	International limit values for chemical agents
				0,2	mg/m³	sen	International limit values for chemical agents
		FRA	VLCT Short term	0,2	ppm	Valeur limite indicative	International limit values for chemical agents
				0,8	mg/m³	Valeur limite indicative	International limit values for chemical agents
			VLEP 8h	0,1	ppm	Valeur limite indicative	International limit values for chemical agents
				0,4	mg/m³	Valeur limite indicative	International limit values for chemical agents
		GBR	OEL 8h	0,05	ppm		International limit values for chemical agents
				0,2	mg/m³		International limit values for chemical agents
			OEL Short term	0,05	ppm		International limit values for chemical agents
				0,2	mg/m³		International limit values for chemical agents
		LVA	OEL 8h	5	mg/m³		International limit values for chemical agents
		NOR	OEL 8h	0.8	mg/m³		International limit values for chemical agents
			OEL Short term	0.2	ppm		International limit values for chemical agents
		POL	NDS 8h	0,4	mg/m³		International limit values for chemical agents
			NDSch Short term	0,6	mg/m³		International limit values for chemical agents
		SWE	OEL Short term	0,1	ppm	Ceiling limit vaue	International limit values for chemical agents
				0,4	mg/m³	Ceiling limit vaue	International limit values for chemical agents

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Chlorocresol	59-50-7	POL	NDS 8h	5	mg/m ³	Inhalable fraction	International limit values for chemical agents
		SWE	OEL Short term	6	mg/m ³	15 minutes average value	International limit values for chemical agents
			OEL 8h	3	mg/m ³		International limit values for chemical agents

8.2. Exposure controls

According to the requirements of Directive 98/24 /EC, the employer is required to conduct a risk assessment and implement appropriate risks management measures.

* For any situation where the absence of risk is not proven, he must consider the substitution or reduction of risk by improving in priority processes used and collective protection measures. The effectiveness of the solutions implemented will be checked by measurement in comparison to the statutory limit values for substances defined in Section 8.1.

* If the risk remains after these corrective actions, he must always check by routinely measuring compliance with regulatory OEL if they exist in section 8.1 and apply all the individual protective measures given in section 8.2.

* When formalized risk assessment indicates a low risk to workers' health, control of compliance with regulatory OEL may not be considered and all individual protection measures is not always mandatory.

8.2.1. Appropriate engineering controls :

Efficient system of ventilation by aspiration.

Apply the necessary technical measures to comply with the professional exposure limit values.

8.2.2. Individual protection measures, such as personal protective equipment :

Eye/face protection :

Use safety glasses or facial screen in conformity with the EN ISO 16321-1 standard.



Hand protection :

Use chemical resistant gloves approved to EN 374.

Examples of preferred materials for insulating gloves:

Butyl rubber.

Nitrile rubber.

Thickness: > 0.4 mm

Permeation time >= 480 min

Gloves in protection class 3 or above are recommended for brief contact (changeover time more than sixty minutes under standard EN 374).

Gloves in protection class 6 or above are recommended for prolonged or frequently repeated contact (changeover time more than 480 minutes under standard EN 374).



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Skin protection :

Wear boots and a protective cloth with chemical resistance.



Respiratory protection :

During handling operations that cause vapours to form, wear a full mask compliant with standard EN 136 fitted with a filter (compliant with standard EN 141 or EN 14387) of type: ABEK.

During applications that cause aerosols to form, wear a full mask compliant with standard EN 136 fitted with a filter (compliant with standard EN 143) of type:

P3: Particles, solid aerosols and liquids

It is possible to combine the anti-vapor filters and anti-aerosols.



Thermal hazards :

Not applicable

Health measures :

Safety shower and eye wash fountain near to workplace.

After using, wash systematically all personal protective equipment.

Handle in accordance with good industrial hygiene practices and the safety instructions.

8.2.3. Environmental exposure controls :

Do not discharge the product directly to sewer or to environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid
Colour	Colourless to pale yellow
Odour	Aldehyde
Odour threshold	Not available
Freezing point	Not available
Melting point	Not applicable
Boiling point	Not available
Flammability	Not applicable
Lower explosive limit	Not applicable
upper explosive limit	Not applicable
Flash point	Not applicable

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Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Pure pH	4.75±0.75
kinematic viscosity	Not applicable
Solubility in water	soluble in all proportions
Solubility	Not applicable
Partition coefficient: n-octanol/water	Not available
Vapour pressure	Not available
Mass density	1.09 g/cm³
Relative density	1.09
Vapour density	Not available
Particle characteristics	Not applicable

9.2. Other information

Explosive properties	Not applicable
Oxidising properties	Not applicable
Viscosity	Not available
Evaporation rate:	Not available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

None under normal conditions of use.

10.2. Chemical stability

Stable in the recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

Avoid contact with strong oxidizing agents, strong bases and strong acids.

10.4. Conditions to avoid

Light, heat.

10.5. Incompatible materials

Strong acids.
Strong basis
Strong oxidizing agents.

10.6. Hazardous decomposition products

The thermal decomposition products can include carbon monoxide and carbon dioxide.

These data are given for the concentrated mixture. The use of the mixture under its diluted form must be performed in conformity with data given by the technical data sheet and the technical adviser.

SECTION 11: TOXICOLOGICAL INFORMATION

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11.1. Information on hazard classes as defined in Regulation (EC) N°1272/2008

Substance-related data:

Acute toxicity

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) : LD 50 - oral rat (OECD 401): > 300 - 2,000 mg/kg. - MSDS supplier

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) (50%) : LD 50 - oral rat 795 mg/kg. - MSDS supplier

Glutaraldehyde (50%) : LC 50 - inhalation - 4h rat (OECD 403): 0.28 mg/L. - aerosol - MSDS supplier

Glutaraldehyde (50%) : LD 50 - oral rat (OECD 401): 154 mg/L. - MSDS supplier

Glutaraldehyde (50%) : LD 50 - dermal rabbit (OECD 402): > 2,000 mg/kg. - MSDS supplier

Chlorocresol (99.9%) : LD 50 - oral rat (OECD 401): 1,830 mg/kg. Harmful if swallowed. - MSDS supplier

Chlorocresol (100) : LC 0 - inhalation - 4H rat (OECD 403): > 2,871 mg/L. - MSDS supplier

Chlorocresol (99.9%) : LD 50 - dermal rat (OECD 402): > 2,000 mg/kg. - MSDS supplier

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) (100%) : LD 50 - oral rat (OECD 401): 350 . - MSDS supplier

Skin corrosion/irritation

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) : Cutaneous contact . Corrosive.; Causes severe burns. - MSDS supplier

Sensitisation

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) : Sensitisation . Not sensitising - MSDS supplier

Glutaraldehyde : Inhalation sensitisation . Sensitizing - MSDS supplier

Mutagenicity

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) : (Ames test): . Not mutagenic - MSDS supplier

Reproductive toxicity

Glutaraldehyde : Teratogenicity laboratory animals . Not teratogenic - MSDS supplier

Chronic toxicity

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) : NOEC - 72h algae (OECD 201): 0.001 - 0.01 mg/L. - MSDS supplier

Mix-related data:

Acute toxicity

. Not determined

Skin corrosion/irritation

Skin corrosivity . The mix is considered to be corrosive for the skin under the criteria of Regulation 1272/2008/EC.

Serious damage to eyes/eye irritation

Ocular corrosivity . Causes serious eye damage according to the criteria of Regulation 1272/2008/EC.

Respiratory / skin sensitisation

Skin sensitisation . The mix is considered to cause cutaneous sensitisation under Regulation 1272/2008/EC.

Respiratory sensitisation . The mix is considered to cause respiratory sensitisation under Regulation 1272/2008/EC.

Mutagenicity

. based on available data, the classification criteria are not met.

Carcinogenicity

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. based on available data, the classification criteria are not met.

Reproductive toxicity

. based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure

. based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure

. based on available data, the classification criteria are not met.

Aspiration hazard

. based on available data, the classification criteria are not met.

Most important symptoms and effects, both acute and delayed :

Skin contact : Corrosive : Causes severe burns.

May cause an allergic skin reaction.

Eye contact : Causes serious eye damage.

Ingestion : Harmful if swallowed.

Causes severe burns in mouth and digestive tract.

Inhalation : Corrosive to the respiratory tract.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Not concerned

SECTION 12: ECOLOGICAL INFORMATION

12.1. à 12.4. Toxicity - Persistence and degradability - Bioaccumulative potential - Mobility in soil

Substance-related data:

Acute toxicity

Glutaraldehyde : EC 50 - 48h Aquatic invertebrates (*Crassostrea virginica*) 0.78 mg/L. - MSDS supplier

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) : LC 50 - 96h fishes 0.1 - 1 mg/L. - MSDS supplier

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) : EC 50 - 48h daphnia 0.01 - 0.1 mg/L. - MSDS supplier

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) : IC 50 - 72h algae 0.01 - 0.1 mg/L. - MSDS supplier

Glutaraldehyde : LC 50 - 96h fishes (*Oncorhynchus mykiss*) 0.8 mg/L. - MSDS supplier

Glutaraldehyde : EC 50 - 72h algae 0.6 mg/L. - MSDS supplier

Chlorocresol (99.9%) : LC 50 - 96hours fishes (*Oncorhynchus mykiss*) (EPA OPP 72.1): 0.917 mg/L. - MSDS supplier

Chronic toxicity

Glutaraldehyde : NOEC - 72h algae 0.025 mg/L. - MSDS supplier

Degradability

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) (100%) : Ultimate aerobic biodegradability - 28days (OECD 301 D): > 60 %. Easily biodegradable. - MSDS supplier

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Glutaraldehyde : 28days (OECD 301A): 83 %. Easily biodegradable. - MSDS supplier

Bioaccumulation
Glutaraldehyde : Log Pow - 0.333 . Not bioaccumulative - MSDS supplier

Mix-related data:

Acute toxicity
. Not determined for the mixture.

Chronic toxicity
. No data available.

Degradability
. Not determined for the mixture.

Bioaccumulation
. No data available.

Mobility
. No data available.

Conclusion:

The mixture is considered to be dangerous for the environment according to 1272/2008/EC Regulation.

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

12.6 Endocrine disrupting properties

Not concerned

12.7. Other adverse effects

No additional information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Treatment of the mixture:

Do not discharge the product directly to sewer or to environment.
Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

Packaging treatment:

Rinse thoroughly the packaging with water and treat the effluent like wastes.
Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

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SECTION 14: TRANSPORT INFORMATION

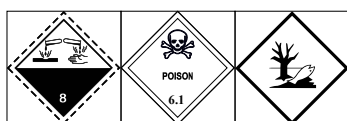
ROAD TRANSPORT: Rail/Route (RID/ADR)

14.1 UN number or ID number : 2922

14.2 UN proper shipping name :
CORROSIVE LIQUID, TOXIC, N.O.S (Glutaraldehyde + Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)

14.3 Transport hazard class(es) : 8 (6.1)

14.4 Packing group : II
Hazard identification number : 86
Label : 8 (6.1)



Tunnel code : (E)

14.5 Environmental hazards : Yes (Chlorocresol + Glutaraldehyde)

14.6 Special precautions for user : No information.

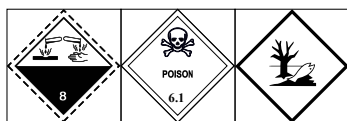
Limited Quantity (QL): 1L

MARITIME TRANSPORT : IMDG

14.1 UN number or ID number : 2922

14.2 UN proper shipping name : CORROSIVE LIQUID, TOXIC, N.O.S (Glutaraldehyde + Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)

14.3 Transport hazard class(es) : 8 (6.1)



14.4 Packing group : II

14.5 Environmental hazards
Marine pollutant : Yes (Chlorocresol + Glutaraldehyde)

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14.6 Special precautions for user : No information.
EmS number : F-A, S-B

Limited Quantity (QL): 1L

14.7 Maritime transport in bulk according to IMO instruments : Not concerned

SECTION 15: REGULATORY INFORMATION

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

Regulation (EU) n°528/2012 concerning the making available on the market and use of biocidal products :
Active ingredient: Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)), Glutaral, Chlorocresol

Regulations relating to the hazards from major accidents :
SEVESO 3 Directive (2012/18/EC) : H2 E1

Regulations relating to the classification, packaging and labelling of substances and mixtures :
Regulation (EC) 1272/2008 amended.

Waste regulations :
2008/98/EC Directive amended by 2015/1127/EC Directive - Regulation 1357/2014/EC
Decision 2014/955/EC which establishes the list of hazardous waste.

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 : Not concerned

Protection of workers :
Directive 98/24/EC of 07/04/1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EU) 2019/1021 of 20 June 2019 on persistent organic pollutants : Not applicable

Regulation (EC) 1005/2009 amended on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors:
Not concerned

Regulation (EC) 648/2004 :
Not concerned

Comply with national and local legislation.

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UN Globally Harmonised System (GHS) on Classification and Labelling of Chemical (GB CLP - SI 2020 No. 1567) and UK REACH (SI 2020 No. 1577)

15.2. Chemical safety assessment

This safety data sheet has been drafted taking into account the information from exposure scenarios for the substances making up the mixture.

SECTION 16: OTHER INFORMATION

The safety data sheet is additional to the technical data sheet but does not replace it. The information given here in is to the best of our knowledge correct and is given in good faith. We must also draw the user's attention on potential risks of the product is used for other purposes for which the product is known.

In no way does it exempt users from being aware of and complying with regulations applicable to their activity. It is their sole responsibility to take all necessary precautions in accordance to the usage of the product they are aware of.

Regulations are only stated in order to help users fulfill the duties involved in the use of the product.

This description should not be considered as exhaustive. It does not exempt users from ensuring if other demands need to be complied with-according to other laws than the ones hereby stated and applicable to holding and usage of the product-demands for which they will remain sole responsibility.

Section(s) modified compared with the previous version :

SECTION 2: HAZARDS IDENTIFICATION;SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

List of H phrases referred to in section 3 :

EUH 071 : Corrosive to the respiratory tract.

H301 : Toxic if swallowed.

H302 : Harmful if swallowed.

H314 : Causes severe skin burns and eye damage.

H317 : May cause an allergic skin reaction.

H318 : Causes serious eye damage.

H330 : Fatal if inhaled.

H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 : May cause respiratory irritation.

H400 : Very toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.

H411 : Toxic to aquatic life with long lasting effects.

H412 : Harmful to aquatic life with long lasting effects.

Sources of key data used to compile the data sheet :

MSDS supplier

International limit values for chemical agents

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Historical :
Version 7.0.2
Cancels and replaces previous version 7.0.1