Gentworks CONCENTRATED BACTERICAL CLEANER AND SANITISER

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 09/12/2020 Revision date: 10/06/2025 Supersedes version of: 09/12/2020 Version: 6.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Product form : Mixture CONCENTRATED BACTERICAL CLEANER AND SANITISER Name Product code DS44-O/GEN002 Type of product Detergent, Biocidal products (e.g. Disinfectants, pest control) Product group Trade product 1.2. Relevant identified uses of the substance or mixture and uses advised against **Relevant identified uses** Main use category : Professional use Industrial/Professional use spec For professional use only Use of the substance/mixture : Washing and cleaning products (including solvent based products) 1.3. Details of the supplier of the safety data sheet GENTWORKS LTD, Units 43-44 Notley Farm, Chearsley Road, Long Crendon, Buckinghamshire, HP18 9ER. tel: 0044 (0) 1844 353 210 Fax 0044 (0) 8704 001 874 Email: info@gentworks.co.uk Web: www.gentworks.co.uk

1.4. Emergency telephone number

Emergency number

: 0044 (0) 1844 353 210

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom		Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Hazardous to the aquatic environment – Chronic Hazard,	H412
Category 3	

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

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2.2. Label elements	
Labelling according to Regulation (EC)	No. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS05
Signal word (CLP)	: Danger
Contains	: C12-16- alkylbenzyldimethylammonium chloride; non-ionic surfactants
Hazard statements (CLP)	 H315 - Causes skin irritation. H318 - Causes serious eye damage. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	 P264 - Wash hands, forearms and face thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves, protective clothing, eye protection, face protection. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. 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 doctor. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with 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 substance(s) are 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		
Substance(s) 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	C12-16- alkylbenzyldimethylammonium chloride	

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
C12-16- alkylbenzyldimethylammonium chloride	-	1 – 3	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 (ATE=1041.666666666 mg/kg bodyweight) Skin Corr. 1B, H314 Aquatic Acute Not classified Aquatic Chronic 1, H410
non-ionic surfactants	CAS-No.: 68439-50-9	< 3	Flam. Liq. Not classified Eye Dam. 1, H318 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
C10-16 ALCOHOL ETHOXYLATE PROPOXYLATE	CAS-No.: 69227-22-1	1 – 3	Eye Irrit. 2, H319
phosphoric acid %, orthophosphoric acid % substance with a Community workplace exposure limit	CAS-No.: 7664-38-2 EC-No.: 231-633-2 EC Index-No.: 015-011-00-6 REACH-no: 01-2119485924- 24	< 0.1	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 (ATE=1530 mg/kg bodyweight) Skin Corr. 1B, H314
ethanol; ethyl alcohol substance with a Community workplace exposure limit	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610- 43	< 0.1	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:vapour), H332 (ATE=20 mg/l/4h) Eye Irrit. 2, H319

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
C12-16- alkylbenzyldimethylammonium chloride	-	(0.25 ≤ C < 2.5) Aquatic Chronic 3; H412
phosphoric acid %, orthophosphoric acid %	CAS-No.: 7664-38-2 EC-No.: 231-633-2 EC Index-No.: 015-011-00-6 REACH-no: 01-2119485924- 24	(10 ≤ C < 25) Skin Irrit. 2; H315 (10 ≤ C < 25) Eye Irrit. 2; H319 (25 ≤ C ≤ 100) Skin Corr. 1B; H314

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 general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	 If you feel unwell, seek medical advice (show the label where possible). Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Rinse eyes with water as a precaution. Call a poison center or a doctor if you feel unwell. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Drink plenty of water. Do NOT induce vomiting.
4.2. Most important symptoms and e	ffects, both acute and delayed
No additional information available	
4.3. Indication of any immediate med	ical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures	S
5.1. Extinguishing media	
Suitable extinguishing media	: The product is not flammable. Use extinguishing agent suitable for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the	substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

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5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release mea	isures
6.1. Personal precautions, protective eq	uipment and emergency procedures
For non-emergency personnel	
Emergency procedures	: Ventilate spillage area.
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".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containme	ent and cleaning up
Methods for cleaning up Other information	Take up liquid spill into absorbent material.Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	

For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	 Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including a	ny incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	
No additional information available	

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

ethanol; ethyl alcohol (64-17-5)	
United Kingdom - Occupational Exposure Limits	
Local name	Ethanol
WEL TWA (OEL TWA)	1920 mg/m³
	1000 ppm
phosphoric acid … %, orthophosphoric acid … % (7664-38-2)	
United Kingdom - Occupational Exposure Limits	
Local name Orthophosphoric acid	

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phosphoric acid %, orthophosphoric acid .	% (7664-38-2)
WEL TWA (OEL TWA)	1 mg/m³
WEL STEL (OEL STEL)	2 mg/m³

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment symbol(s):



Eye and face protection

Eye protection: Safety glasses

Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Protective gloves

Respiratory protection

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: light orange.
Odour	: pleasant fruity.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: < 0 °C
Boiling point	: > 100 °C
Flammability	: Not applicable
Explosive properties	: Product is not explosive.
Oxidising properties	: Oxidising solids Not applicable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: 10.5 – 11.5
Viscosity, kinematic	: Not available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available

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Density	:	≈ 1.005 (1.04 – 1.05) g/ml
Relative density	:	Not available
Relative vapour density at 20°C	:	Not available
Particle characteristics	:	Not applicable
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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Do not mix with other bleaching agents. Strong acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (dermal)	Not classified Not classified Not classified
C10-16 ALCOHOL ETHOXYLATE PROPOXYLA	ATE (69227-22-1)
LD50 oral rat	> 5000 ml/kg
ethanol; ethyl alcohol (64-17-5)	
LD50 oral rat	10470 mg/kg
LD50 oral	10470 mg/kg bodyweight
LD50 dermal rat	15800 mg/kg
LD50 dermal	15800 mg/kg bodyweight
LC50 Inhalation - Rat	20 mg/l
LC50 Inhalation - Rat (Dust/Mist)	> 99999 mg/l
phosphoric acid %, orthophosphoric acid .	% (7664-38-2)
LD50 oral	1530 mg/kg bodyweight
LD50 dermal	2740 mg/kg bodyweight
non-ionic surfactants (68439-50-9)	
LD50 oral rat	> 2000 mg/kg

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non-ionic surfactants (68439-50-9)	
LD50 dermal rabbit	> 2000 mg/kg
Skin corrosion/irritation :	Causes skin irritation. pH: 10.5 – 11.5
C10-16 ALCOHOL ETHOXYLATE PROPOXY	LATE (69227-22-1)
рН	5 – 7
C12-16- alkylbenzyldimethylammonium chlo	ride
рН	6 – 9
non-ionic surfactants (68439-50-9)	
рН	6 - 8
Serious eye damage/irritation	Causes serious eye damage. pH: 10.5 – 11.5
C10-16 ALCOHOL ETHOXYLATE PROPOXYI	_ATE (69227-22-1)
рН	5 – 7
C12-16- alkylbenzyldimethylammonium chlo	ride
рН	6 – 9
non-ionic surfactants (68439-50-9)	
рН	6 – 8
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity :	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
C10-16 ALCOHOL ETHOXYLATE PROPOXYI	_ATE (69227-22-1)
Viscosity, kinematic	98 mm²/s
C12-16- alkylbenzyldimethylammonium chlo	ride
Viscosity, kinematic	133 mm²/s
phosphoric acid %, orthophosphoric acid	% (7664-38-2)
Viscosity, kinematic	Not applicable
11.2. Information on other hazards	

No additional information available

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

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ethanol; ethyl alcohol (64-17-5)	
LC50 - Fish [1]	14200 mg/l
EC50 - Crustacea [1]	12.34 mg/l
EC50 - Other aquatic organisms [1]	5012 mg/l waterflea
EC50 - Other aquatic organisms [2]	275 mg/l
ErC50 other aquatic plants	> 100 mg/l
C12-16- alkylbenzyldimethylammonium chlori	de
LC50 - Fish [1]	0.85 mg/l
EC50 - Crustacea [1]	0.02 mg/l
NOEC chronic fish	0.1 mg/l
phosphoric acid %, orthophosphoric acid .	% (7664-38-2)
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	> 100 mg/l waterflea
EC50 - Other aquatic organisms [2]	> 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

12.2. Persistence and degradability

CONCENTRATED BACTERICIDAL CLEANER	AND SANITISER
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
C10-16 ALCOHOL ETHOXYLATE PROPOXYL	ATE (69227-22-1)
Persistence and degradability	Rapidly degradable
ethanol; ethyl alcohol (64-17-5)	
Persistence and degradability	Rapidly degradable
C12-16- alkylbenzyldimethylammonium chlori	de
Persistence and degradability	Biodegradable.
phosphoric acid %, orthophosphoric acid .	% (7664-38-2)
Persistence and degradability	Rapidly degradable
non-ionic surfactants (68439-50-9)	
Persistence and degradability	Rapidly degradable
12.3. Bioaccumulative potential	
ethanol; ethyl alcohol (64-17-5)	
Partition coefficient n-octanol/water (Log Pow)	-0.32
phosphoric acid %, orthophosphoric acid .	% (7664-38-2)
Partition coefficient n-octanol/water (Log Pow)	-0.77

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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. Endocrine disrupting properties
No additional information available
12.7. Other adverse effects
No additional information available

SECTION 13: Disposal consideration	าร
13.1. Waste treatment methods	
Regional waste regulation Waste treatment methods	 Disposal must be done according to official regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

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

14.1. UN number or ID number	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)	 Not applicable Not applicable Not applicable Not applicable Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID)	 Not applicable Not applicable Not applicable Not applicable Not applicable
14.3. Transport hazard class(es)	
ADR Transport hazard class(es) (ADR)	: Not applicable
IMDG Transport hazard class(es) (IMDG)	: Not applicable
IATA Transport hazard class(es) (IATA)	: Not applicable
ADN Transport hazard class(es) (ADN)	: Not applicable
RID Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR) Packing group (IMDG) Packing group (IATA)	 Not applicable Not applicable Not applicable

Packing group (ADN) Packing group (RID)	: Not applicable : Not applicable
14.5. Environmental hazards	
Other information	: No supplementary information available
14.6. Special precautions for user	
Overland transport Not applicable	
Transport by sea Not applicable	
Air transport Not applicable	
Inland waterway transport Not applicable	
Rail transport Not applicable	
44.7 Meritine transment in bulk and	
14.7. Maritime transport in bulk acc	ording to IMO instruments
Not applicable	ording to IMO instruments
	ording to IMO instruments
Not applicable SECTION 15: Regulatory inform	
Not applicable SECTION 15: Regulatory inform	ation
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Not applicable SECTION 15: Regulatory inform 15.1. Safety, health and environmen EU-Regulations REACH Annex XVII (Restriction List) Contains no substance(s) listed on REACH REACH Annex XIV (Authorisation List) Contains no substance(s) listed on REACH REACH Candidate List (SVHC) Contains no substance(s) listed on the REACH PIC Regulation (Prior Informed Consent Contains no substance(s) listed on the PIC POP Regulation (Persistent Organic Pol Contains no substance(s) listed on the POL	ation Intal regulations/legislation specific for the substance or mixture I Annex XVII (Restriction Conditions) I Annex XIV (Authorisation List) ACH Candidate List) Itst (Regulation EU 649/2012 concerning the export and import of hazardous chemicals) Iutants) P list (Regulation EU 2019/1021 on persistent organic pollutants) anne Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Labelling of contents		
Component %		
cationic surfactants, non-ionic surfactants	<5%	
perfumes		
Linalool		

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Fragrance allergens > 0.01%:

linalool

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:				
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways			
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road			
ATE	Acute Toxicity Estimate			
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008			
ΙΑΤΑ	International Air Transport Association			
IMDG	International Maritime Dangerous Goods			
LC50	Median lethal concentration			
LD50	Median lethal dose			
РВТ	Persistent Bioaccumulative Toxic			
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006			
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail			
SDS	Safety Data Sheet			
vPvB	Very Persistent and Very Bioaccumulative			

Other information

: Passes EN1276 and EN13727 at 40:1 v/v 5 minute contact time. Passes EN 13697 at 40:1 v/v with 15 minute contact time.

Full text of H- and EUH-statements:				
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4			
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4			
Aquatic Acute Not classified	Hazardous to the aquatic environment – Acute Hazard Not classified			
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1			
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3			
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			
Flam. Liq. Not classified	Flammable liquids Not classified			
Met. Corr. 1	Corrosive to metals, Category 1			
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B			

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Full text of H- and EUH-statements:			
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
H225	Highly flammable liquid and vapour.		
H290	May be corrosive to metals.		
H302	Harmful if swallowed.		
H314	Causes severe skin burns and eye damage.		
H315	Causes skin irritation.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H332	Harmful if inhaled.		
H410	Very toxic to aquatic life with long lasting effects.		
H412	Harmful to aquatic life with long lasting effects.		

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:				
Skin Irrit. 2	H315	Calculation method		
Eye Dam. 1	H318	Calculation method		
Aquatic Chronic 3	H412	Calculation method		

Safety Data Sheet (SDS), EU

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.