

\ CoviPure+ Concentrate

Dilute with water to create disinfectant for water-resistant surfaces
99.9 % of bacteria, viruses and other germs

CoviPure+ Concentrate is a concentrated liquid biocidal disinfectant with excellent disinfection behaviour when diluted. Pathogenic germs are reliably inactivated by the oxidation. It disinfects all water-resistant surfaces and inventory in public buildings, office buildings, airports, kitchens, sanitary, household and other areas. Broad effectiveness against microorganisms.

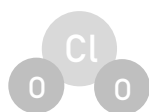
CoviPure+ Concentrate is free of alcohols, ammonium compounds or solvents and does not contain copper or silver ions. When diluted as stated, the pH is in the neutral range of 7 – 8.5 which is gentle on skin.

\ PRODUCT ADVANTAGES

- ⊕ Broad antimicrobial spectrum of action
- ⊕ Ingredients effective against; Coronaviruses, P. aeruginosa, E. coli, Influenza
- ⊕ Proven effectiveness against enveloped viruses such as coronaviruses even at lower concentrations *
- ⊕ Free of allergens and fragrances

\ PROPERTIES & APPROVALS

Dosage form		TO BE DILUTED BEFORE USE
Concentration of active substance		900 ppm
Test Approvals	EN 13624	C. albicans and A. brasiliensis
	EN 13697	Gram-positive, gram-negative bacteria, C. albicans and A. brasiliensis
	EN 13727	Gram-positive and gram-negative bacteria
	EN 14476	Enveloped viruses (e.g. Coronaviruses) & non-Enveloped viruses (e.g. Polio)
	EN 16777	Virucidal activity in medical areas for disinfection of non-porous surfaces



Synergetic combination of disinfecting chlorine-oxygen-compounds



Effective against 99.9 % of pathogenic germs, such as Bacteria, Viruses and others



Ensures reliable surface disinfection

\ CONTACT TIMES

	ORGANISM	TEST NORM	TEST TYPE	CONTACT TIME
Bacteria	P. aeruginosa E. coli	EN 13727	Suspension	30 seconds
	S. aureus E. hirae			
	P. aeruginosa E. coli	EN 13697	Surface	5 minutes
	S. aureus E. hirae			10 minutes
Fungi / Yeast	C. albicans A. brasiliensis	EN 13624	Suspension	5 minutes
	C. albicans A. brasiliensis	EN 13697	Surface	
Yeast	C. albicans	EN 1650	Suspension	60 seconds
Enveloped Viruses	Coronaviruses Influenza	EN 14476	Suspension	30 seconds
Non-Enveloped Viruses	Polio	EN14476	Suspension	5 Minutes
	Adenovirus			30 seconds
	Murine Norovirus			60 seconds
Hand Disinfection	E. coli	EN1500	Skin	30 seconds

\ APPLICATION

Product must be diluted as per the instructions to obtain disinfection performance. Objects and surfaces are sprayed from a distance of approx. 30 cm until fully wetted. Leave on surface for required times as highlighted above and wipe away with a cloth. Alternatively rinse with water. In the case of sensitive surfaces, make a resistance test at an inconspicuous place if necessary. All information is only a guideline. The actual dosage depends on degree of contamination. Frequency of use as required.

\ SAFETY INSTRUCTIONS

Use biocidal products carefully. Always read the label and product information before use. Keep out of reach for children.

Do not put solution in eye or onto mucous membranes. Based on the available data, the product is not a hazardous mixture according to European guidelines or Dangerous Goods guidelines.

The product can be stored in tightly closed container under cool and dark conditions for 12 months from date of manufacture. Keep out of reach for children and away from food, drink and animal feed. Store away from acids.

Once diluted, product should be used within 48 Hours.

Complies with EU Biocidal Products Regulation (EU) 528/2012, Art. 95 (2).

Ingredients: Composition of chlorine-oxygen-compounds.

\ TYPES OF PACKAGING

- 5 / 10 / 25 L canister
- 200 L drum
- 1000 L IBC



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Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
Issue date: 20/07/2021 Version: 2.01

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

1.1. Product identifier

Trade name :CoviPure+ Concentrate
Type of product :Biocidal product

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Biocidal disinfectant product for surface, materials, equipment and furniture with or without food contact (PT2 & PT4)

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

CoviPure
10 West Street
Alderley Edge,
SK9 7EG - UK T +44(0) 1625908908
www.covipure.co.uk

Email competent person

info@covipure.co.uk

1.4. Emergency telephone number

Emergency number :National Health Service (NHS)
24 hour national number
Consumer England and Scotland: 111
Wales: 0845 46 47
Northern Ireland: call your local General Practitioner

Call 999 if there is a life-threatening incident.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

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.

2.2. Label elements

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

Extra phrases : EUH210 – Safety Data Sheet available on request

The additional label requirements of directive EU 528/2012 about the available on the market and use of biocidal products in article 69 have to be observed (“Use biocides safety. Always read the labeling and the product information before use”)

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII



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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]
Sodium Carbonate	(CAS-No.) 497-19-8 (EC-No.) 207-838-8 REACH Number : 011-005-002	< 0.5	Eye Irrit.2 H319
chlorine dioxide	(CAS-No.) 10049-04-4 (EC-No.) 233-162-8	< 0.1	Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314 Aquatic Acute 1, H400
sodium hypochlorite	(CAS-No.) 7681-52-9 (EC-No.) 231-668-3 (EC Index-No.) 017-011-00-1 (REACH-no) 01-2119488154-34	< 0.1	Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H411

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: This product is not classified under Regulation EU 1272/2008 and no hazard was identified when used in the manner suggested. Like all chemical products, certain circumstances like over dosing may give rise to people not feeling well. In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: No skin hazard was identified by classification or dermatological test, however if the skin comes into large quantities due to a spill or other similar situation, rinse skin with plenty of water.
First-aid measures after eye contact	: The product is diluted however if contact with eyes, rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: The product is not for consumption however if you should inadvertently swallow some liquid call a poison center or a doctor if you feel unwell. Rinse mouth out with water. Drink plenty of water. Do not induce vomiting.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: The product is not flammable. Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Strong water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released. chlorine dioxide. Hydrogen chloride.
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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.
- Other information : Do not allow run-off from firefighting to enter drains or water courses. Disposal must be done according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area.

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".

6.2. Environmental precautions

Avoid large quantities of product entering into the sewage system and public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
- Other information : Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid letting the product become dry. Potential explosion hazard.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Keep locked up and out of the reach of children. Keep only in original container.
- Maximum storage period : 18 months
- Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs. Store away from. Acids.

7.3. Specific end use(s)

Biocidal disinfectant product for surface/materials.



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

chlorine dioxide ... % (10049-04-4)	
United Kingdom - Occupational Exposure Limits	
Local name	Chlorine dioxide

chlorine dioxide ... % (10049-04-4)	
WEL TWA (mg/m ³)	0.28 mg/m ³
WEL TWA (ppm)	0.1 ppm
WEL STEL (mg/m ³)	0.84 mg/m ³
WEL STEL (ppm)	0.3 ppm
Regulatory reference	EH40/2005 (Third edition, 2018). HSE

sodium hypochlorite, solution (7681-52-9)	
EU - Occupational Exposure Limits	
Local name	Chlorine
IOELV STEL (mg/m ³)	1.5 mg/m ³
IOELV STEL (ppm)	0.5 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
United Kingdom - Occupational Exposure Limits	
Local name	Chlorine
WEL STEL (mg/m ³)	1.5 mg/m ³
WEL STEL (ppm)	0.5 ppm
Regulatory reference	EH40/2005 (Third edition, 2018). HSE

chlorine dioxide ... % (10049-04-4)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	0.304 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.000021 mg/l
PNEC aqua (marine water)	0.000021 mg/l
PNEC aqua (intermittent, freshwater)	0.0002 mg/l
PNEC (STP)	
PNEC sewage treatment plant	0.01 mg/l

sodium hypochlorite, solution (7681-52-9)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	3.1 mg/m ³
Acute - local effects, inhalation	3.1 mg/m ³
Long-term - systemic effects, inhalation	1.55 mg/m ³
Long-term - local effects, inhalation	1.55 mg/m ³



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DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	3.1 mg/m ³
Acute - local effects, inhalation	3.1 mg/m ³
Long-term - systemic effects, oral	0.26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.55 mg/m ³
Long-term - local effects, inhalation	1.55 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.21 µg/L
PNEC aqua (marine water)	0.042 µg/L
PNEC aqua (intermittent, freshwater)	0.042 µg/L
PNEC (Oral)	
PNEC oral (secondary poisoning)	11.1 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	4.69 mg/l

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

No hand protection needed under normal use conditions. In other situations, gloves: PVC (Polyvinylchloride) or PE (Polyethylene) – Penetration time to be checked with the glove's manufacturer.

Eye protection:

No eye protection needed under normal use conditions. In other situations, splash goggles (EN 166 compliant) when eye contact due to splashing is possible.

Skin and body protection:

Wear suitable protective clothing - EN 340 / EN 13034 compliant.

Respiratory protection:

No respiratory protection needed under normal use conditions

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
Appearance	:	Colorless
Colour	:	No data available
Odour	:	Chlorine-like
Odour threshold	:	No data available
pH	:	7 – 8.5 (20 °C)
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	100°C
Flash point	:	Not applicable
Auto-ignition temperature	:	No data available



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Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not flammable
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Density	:	1.0 g/cm ³
Solubility	:	Water: completely soluble
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	Product is not explosive.
Oxidising properties	:	Non oxidizing.
Explosive limits	:	No data available

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. Contact with acids liberates toxic gas.

10.4. Conditions to avoid

Protect from heat and direct sunlight. Keep out of frost.

10.5. Incompatible materials

Combustible materials. metals. Acids. Reducing agents.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	:	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	:	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	:	Not classified (Based on available data, the classification criteria are not met) pH: 7 – 8.5 (20 °C)
Serious eye damage/irritation	:	Not classified (Based on available data, the classification criteria are not met) pH: 7 – 8.5 (20 °C)
Respiratory or skin sensitisation	:	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	:	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	:	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	:	Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	:	Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	:	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	:	Not classified (Based on available data, the classification criteria are not met)



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SECTION 12: Ecological information

12.1 Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

chlorine dioxide (CAS n°10049-04-4)	
LC50 fish 1	0.021 mg/l (96 h; Danio rerio)
NOEC chronic fish	500 mg/l

sodium hypochlorite (CAS n°7681-52-9)	
LC50 fish 1	0.032 – 0.167 mg/l (96 h)
EC50 Daphnia 1	0.035 mg/l (48 h; Ceriodaphnia dubia; (OECD 202 method))
EC50 72h algae	0.0183 mg/l (72 h; Pseudokirchneriella subcapitata; (OECD 201 method))
NOEC chronic fish	0.04 mg/l (28 d; Menidia peninsulae)

12.1. Persistence and degradability

Components that can contribute to acute water pollution:

Relevant ingredients :

- Chlorine dioxide (<0.1%), category 1, M-factor:10
- The following limit concentration value must be observed : 2.5%
- Sodium carbonate (<0.5%)
- The following limit concentration value must be observed : 25%
- Sodium hypochlorite (<0.1%), category 1, M-factor:1
- The following limit concentration value must be observed : 2.5%

12.2. Bioaccumulative potential

No additional information available

12.3. Mobility in soil

No additional information available

12.4. Results of PBT and vPvB assessment

CoviPure+ Concentrate
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : For disposal of large quantities, contact the local environmental authorities. In domestic situations, dispose of product as you would with bleach.

Product/Packaging disposal recommendations : Recycle or dispose of in compliance with current legislation.



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SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

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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

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

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 pollutant

Other information, restriction and prohibition :
regulations

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis. Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products. The additional label requirements of directive EU 528/2012 about the available on the market and use of biocidal products in article 69 have to be observed. Every advertisement for biocides has to be accompanied by following sentence: Use biocides safely. Always read the label and product information before use.



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Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products

This product contains biocidal products

Type of product (Biocide) : 2 - Disinfectants and algacides not intended for direct application to humans or animals, 4
- Food and feed area

Authorisation number : -

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

SDS Creation.

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
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
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
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative



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Data sources

: ECHA (European Chemicals Agency). MSDS of the supplier.

Full text of H- and EUH-statements:	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

KFT SDS EU 00

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.