

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Version: 1

Language: EN

Revision date: 20.04.2020

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

# DISINFECTANT FOR SURFACE SPRAY

**Trade Name:** Care & Safe xCid

**CAS number:** -

**EC number (EINECS/ELINCS):** -

**EC index number:** -

**REACH registration number:** -

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

**Identified uses of the substance or mixture:** Disinfectants

**Not recommended uses of the substance or mixture:** Observe instructions for use.

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer**

GH BIOSCIENCE SDN. BHD.  
No.16, Jalan Othman, Seksyen 1,  
46000 Petaling Jaya, Selangor,  
MALAYSIA.

**Telephone:** +603 7773 0711

**Information contact**

GH BIOSCIENCE MALAYSIA

**Information Telephone:** +603 7773 0711

**E-mail (competent person):** [eugene@ghbioscience.co](mailto:eugene@ghbioscience.co)

**Website:** <http://www.ghbioscience.co>

### 1.4 Emergency telephone number

Eugene Cheong

**Telephone:** +603 7773 0711

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## 1.5 Dept. responsible for information

Global Health Biotech - Büro Wien

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## 2. Hazards identification

In concentrations up to 30% according to common knowledge the product is not to be regarded as dangerous except for a proofed toxic effect for micro organisms.

### 2.1 Classification of the substance or mixture

Not Applicable

### 2.2 Label elements

#### 2.2.1 Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:

Signal word:

**P phrases:**

101	If medical advice is needed, have product container or label at hand.
102	Keep out of reach of children.
103	Read label before use.
270	Do not eat, drink or smoke when using this product.
273	Avoid release to the environment.
301+330+331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
501	Dispose of contents/container

#### 2.2.2 Labelling according to Directive 67/548/EEC

Hazard symbols:

-  
**R phrases:** Not Applicable  
**S phrases:** Not Applicable

### 2.3 Other hazards

No risks worthy of mention.

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## 3. Composition/information on ingredients

### 3.1 Chemical characterization of the substance or mixture

Mixture of, among other things, with the following ingredients.

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## 3.2 Composition of the substance or mixture

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
Water	231-791-2	7732-18-5			> 90 %		
Poly-[2-(2-ethoxy)-ethoxyethyl]-guanidinium chloride]		374572-91-5			< 0.5 %	Aquatic Acute 1; H400 Aquatic Chronic. 1; H410	N; R50/53

### Ingredients with EC exposure limits

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:

(The wording of the listed risk phrases is given in Chapter 16)

## 3.3 Additional information

none

## 4. First aid measures

### 4.1 Description of first aid measures

- General information:** In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).
- Following inhalation:** Provide fresh air. In case of irritation of the respiratory tract seek medical advice.
- After skin contact:** In case of skin irritation, seek medical treatment.
- Following eye contact:** In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if problems persist.
- After ingestion:** Rinse mouth immediately and drink large quantities of water. Seek medical attention if problems persist.
- Self-protection:** No special measures are necessary.

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

- Symptoms:** No symptoms known up to now.
- Nature of Hazard:** No risks worthy of mention.

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

- Emergency aid:** Provide fresh air.
- Treatment:** Treat symptomatically.

## 5. Fire fighting measures

### 5.1 General information

Extinguishing materials should be selected according to the surrounding area. The product itself is not combustible.

### 5.2 Extinguishing media

- Suitable:** Water fog. High power water jet. alcohol resistant foam. Dry extinguishing powder.

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**Unsuitable:** Carbon dioxide (CO<sub>2</sub>).  
none

### 5.3 Special hazards arising from the substance or mixture

Not Applicable

### 5.4 Advice for fire fighters

#### Special protective equipment for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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## 6. Accidental release measures

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

Provide adequate ventilation.

### 6.2 Environmental precautions

None

### 6.3 Methods and materials for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the assimilated material according to the section on waste disposal. Avoid generation of dust. Clear contaminated area thoroughly. Wash with generous amount of water.

### 6.4 References to other sections

See protective measures under point 7 and 8.

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## 7. Handling and storage

### 7.1 Precautions for safe handling

#### Information for safe handling

Avoid contact with eyes.

#### Technical measures

No special technical protective measures are necessary.

#### Precautions against fire and explosion

Usual measures for fire prevention.

#### Additional information

none

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

No special technical protective measures are necessary.

#### Packaging materials

Keep/Store only in original container.

#### Requirements for storerooms and containers

Keep container tightly closed and in a well-ventilated place.

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**Information about storing together in storage facility**

Do not store together with: Oxidizing agents. Keep away from food, drink and animal feedingstuffs.

**Further information concerning storage conditions**

storage temperature: 0 – 50 °C

**Storage class:** 12 non-combustible liquids.

**7.3 Specific end use(s)**

Observe instructions for use.

**8. Exposure controls / personal protection****8.1 Control parameters****8.1.1 Limits for occupational exposure****Exposure limit values**

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:

**EC exposure limit values**

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:

**8.1.2 DNEL and PNEC values****DNEL-values**

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer

**PNEC-values**

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer

**8.1.3 Control-Banding****Control-Banding**

none

**8.1.4 Additional information**

none

**8.2 Exposure controls****Occupational exposure controls**

none

**Chemical handling**

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

**Personal protection equipment**

none

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

**Hand protection**

Hand Protection: not required

**Eye protection**

Eye Protection: not required

**Skin protection**

Skin protection: not required.

**Environmental exposure controls**

refer to chapter 7. No further action is necessary.

**Consumer exposure controls**

refer to chapter 7. No further action is necessary.

**8.3 Exposure scenario**

none

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties****Appearance**

**State of matter:** liquid  
**Colour:** colourless  
**Odour:** odourless  
**Odour threshold:** none

**Safety relevant basis data**

	<b>Parameter</b>	<b>Value</b>	<b>Unit</b>	<b>Remark</b>
<b>Density:</b>	at 20°C:	ca. 1	g/cm <sup>3</sup>	
<b>Package density:</b>				not applicable
<b>pH:</b>		6-8		
<b>Melting point / range:</b>				No data available
<b>Boiling temperature / range:</b>		ca. 100	°C	
<b>Flash point:</b>				not applicable
<b>Flammability:</b>				not applicable
<b>Lower flammability limit:</b>				not applicable
<b>Upper flammability limit:</b>				not applicable
<b>Flammability:</b>				not explosive.
<b>Lower explosion limit:</b>				not applicable
<b>Upper explosion limit:</b>				not applicable
<b>Ignition temperature:</b>				not applicable
<b>Decomposition temperature:</b>				No data available
<b>Oxidizing characteristics:</b>				not applicable
<b>Vapour pressure:</b>	at 27 °C	ca. 2000	Pa	No data available
<b>Relative vapour density:</b>				No data available
<b>Speed of vaporization/evaporation rate:</b>				No data available
<b>Solubility in water:</b>				highly soluble.
<b>Fat solubility:</b>				insoluble
<b>Solubility in log P O/W (n-octanol / water):</b>	:			No data available
<b>Viscosity:</b>				No data available
<b>Solvent separation test:</b>				No data available
<b>Solvent content:</b>				No data available

## 9.2 Other information

There are no data available on the mixture itself.

## 10. Stability and reactivity

### 10.1 Reactivity

none

### 10.2 Chemical stability

none

### 10.3 Possibility of hazardous reactions

none

### 10.4 Conditions to avoid

none

### 10.5 Incompatible materials

Oxidizing agents.

### 10.6 Hazardous decomposition products

Pyrolysis products, toxic.

### 10.7 Additional information

none

## 11. Toxicological information

### 11.1 Information on toxicological effects

There are no data available on the mixture itself. Data apply to the principal component.

#### Acute toxicity

Substance:	CAS-No.:	Toxicological information
Poly-[2-(2-ethoxy)-ethoxyethyl]-guanidinium chloride]	374572-91-5	Acute toxicity, oral LD50: > 2000 mg/kg (Rat.)

#### Specific symptoms in laboratory animals

No information available.

### 11.2 Irritation and etching

#### Irritant effect on the skin

Not an irritant.

#### Irritant effect on the eye

mild irritant.

#### Irritant effect on the respiratory tract

Not an irritant.

#### Etching

not corrosive

### 11.3 Sensitization

no danger of sensitization.

### 11.4 Repeated dose toxicity

none

### 11.5 CMR effects

#### Carcinogenicity

No indications of human carcinogenicity exist.

#### Mutagenicity

No indications of human germ cell mutagenicity exist.

#### Reproductive toxicity

No indications of human reproductive toxicity exist.

### 11.6 General remarks

none

#### Practical experience

none

#### Other observations

none

#### Additional information

There are no data available on the preparation/mixture itself.

## 12. Ecological information

### 12.1 Toxicity

There are no data available on the mixture itself. Ecological information refers to main component.

#### Eco toxicity

Substance:	CAS-No.:	Ecotoxicity
Poly-[2-(2-ethoxy)-ethoxyethyl]-guanidinium chloride]	374572-91-5	Bacterial toxicity: EC50: 144 mg/l/3 h

### 12.2 Persistence and degradability

Not easily bio-degradable (according to OECD-criteria).

### 12.3 Bio accumulative potential

No indication of bio-accumulation potential.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

### 12.6 Other adverse effects

none

### 12.7 Further ecological information



none

## 12.8 Further details

There are no data available on the mixture itself.

## 13. Disposal considerations

### 13.1 Waste treatment methods

#### Appropriate disposal/Product

Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

#### Appropriate disposal/ packaging

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

#### Control report for waste code/ waste marking according to EAKV

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

**Waste key product:** 18 01 06

**Waste key packaging:** 18 01 06

#### Remark

Waste disposal according to official state regulations.

## 14. Transport information

### 14.1 Overland transport (ADR/RID)

Proper Shipping name

-

-

UN No.: -

Label: -

Packing Group: -

Classification code: -

Remark: Not a hazardous material with respect to these transportation regulations.

### 14.2 Transport by sea (IMDG)

Proper Shipping name

-

-

UN-No.: -

Label: -

Packing Group: -

EmS-No: -

MFAG: -

Marine pollutant: No

Special Provisions: -

Remark: Not a hazardous material with respect to these transportation regulations.

### 14.3 Air transport (ICAO-TI / IATA-DGR)

Proper Shipping name

-

-

UN/ID-No.: -

Label: -

Packing Group: -

Remark: Not a hazardous material with respect to these transportation regulations.

## 14.4 Mail

Not a hazardous material with respect to these transportation regulations.

## 15. Regulatory information

### 15.1 Labelling

#### Hazardous component(s) for labelling

Poly-[2-(2-ethoxy)-ethoxyethyl]-guanidinium chloride]

#### Special labelling of particular preparations

Use biocides safely. Always read the label and product information before use.

### 15.2 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU-Regulations

**Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)**  
none

**Regulation (EC) No 2037/2000 on substances that deplete the ozone layer**  
none

**Regulation (EC) No 850/2004 on persistent organic pollutants**  
none

**Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals**  
none

**Regulation (EC) No 648/2004 (Detergents regulation)**  
none

**Restrictions under Title VIII of Regulation (EC) No 1907/2006**  
none

#### National regulations

Moreover, national legislation has to be observed!

**Informations on working limitations**  
none

**Major Accidents Ordinance**  
none

**Storage class according to VCI**  
12 non-combustible liquids.

**Water Hazard Class according to VwVwS**  
1 weak water pollutant (WGK 1)

**Technical Instructions on Air Quality Control (TA-Luft)**  
none

**Further regulations, limitations and legal requirements**  
biocide directive (98/8/EC).

### 15.3 Chemical safety assessment

For this preparation a chemical safety assessment has been carried out: -

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Chemical safety assessments for substances in this mixture were not carried out.

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## 16. Other information

### 16.1 Wording of the H and R-phrases under paragraph 3 Regulation (EC) No 1272/2008

Directive 67/548/EEC

### 16.2 Training instructions

none

### 16.3 Recommended restrictions of use

refer to chapter 1.

### 16.4 Further remarks

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

### 16.5 Documentation of changes

none

### 16.6 Data sources

Data arise from reference works and literature.

### 16.7 Key and definition

none

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## 17. Appendix

### 17.1 Exposure scenario

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