

PX Ornikill

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
with its amendment Regulation (EU) 2015/830



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

1.1 Product identifier

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

Relevant identified uses:

Surface disinfectant professional use.

Uses advised against:

Not to be used undiluted.

1.3. Details of the supplier of the safety data sheet

Address: Killgerm Chemicals Ltd, Wakefield Road, Ossett, WF5 9AJ

Tel: +44 (0)1924 268 450

Fax: +44 (0)1924 265 033

Email: technical@killgerm.com

1.4. Emergency telephone number

Medical professionals should use National Poisons Information Service Tel: 0870 600 6266.

Non-medical professionals should seek information by contacting NHS by dialling 111.

Killgerm Chemicals Ltd Tel:01924 268452 (Office hours)

SECTION 2: Hazards identification

2.1. Classification of the mixture according to Regulation (EC) No. 1272/2008 [CLP]

Skin Corrosion cat.1B

H314: Causes severe skin burns and eye damage.

Aquatic chronic cat.3

H412: Harmful to aquatic life with long-lasting effects.

2.2. Label elements



GHS05

Signal Word: **Danger**

Hazard statements:

H314: Causes Severe skin burns and eye damage.

H412: Harmful to aquatic life with long-lasting effects

Precautionary statements:

P260: Do not breathe spray

P264: Wash hands thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear eye protection, protective gloves.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

P304+P340: IF INHALED: Remove person to fresh air and keep 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.

P315: Get immediate medical advice/attention.

P405: Store locked up.

2.3. Other hazards

PBT: this material does not contain any substance identified as PBT or vPvB

SECTION 3: Composition/information on ingredients

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3.2 Mixtures

Hazardous Components in Product

Ingredient Name	Concentration	Classification	H Phrases
Alcohol Alkoxylate CAS No. 166736-08-9	1-5 %	Acute Tox. Cat. 4 (Oral) Eye Dam. Cat. 1	H302 H318
Quaternity ammonium compounds, benzyl-C12-16-alkyldimethy, chlorides CAS No. 68424-85-1	1-5 %	Acute Tox. Cat. 4 (Oral) Acute Tox. Cat. 4 (Dermal) Skin Corr. Cat. 1B Aquatic Acute Cat. 1	H302 H312 H314 H400
N-(3-aminopropyl)-N- dodecylpropane-1,3-diamine. CAS No. 2372-82-9	1-5 %	Acute Tox. Cat. 3 (Oral) Skin Corr. Cat. 1B STOT RE. Cat. 2 Aquatic Acute Cat. 1 Aquatic Chronic Cat. 1	H301 H314 H373 H400 H410
Didecyldimethylammonium chloride CAS No. 7173-51-5	1-5 %	Acute Tox. Cat. 4 (Oral) Skin Corr. Cat. 1B	H302 H314
Chlorhexidine Digluconate CAS No. 18472-51-0	<1	Eye Dam. Cat. 1 Aquatic acute Cat. 1 Aquatic Chronic Cat. 1	H318 H400 H410

See section 16 for full text of H phrases and hazard classification of ingredients.

SECTION 4: First aid measures

4.1. Description of first aid measures

- General:** If during or after use/exposure you begin to feel unwell, seek medical attention bringing a copy of the product label/the SDS.
- Eye contact:** If in eyes: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek immediate medical advice/attention.
- Skin contact:** If on skin: wash area with plenty of water. Immediately take off contaminated clothing and wash it before reuse. If skin irritation occurs get medical attention
- Ingestion:** If Swallowed: Rinse mouth. Do NOT induce vomiting. Drink plenty of water. Seek medical advice/attention.
- Inhalation:** If Inhaled: Remove person to fresh air and keep comfortable for breathing.

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

- Symptoms/injuries after inhalation:** May cause respiratory irritation.
- Symptoms/injuries after Skin contact:** Burns.
- Symptoms/injuries after eye contact:** Causes serious eye damage.
- Symptoms/injuries after ingestion:** Burns.

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents: Use dry powder, Foam or carbon dioxide extinguishing agents.

Unsuitable agents: water jet

5.2. Special hazards arising from the substance or mixture

This product is non-flammable. May produce toxic fumes if involved in a fire, corrosive vapours

5.3. Advice for firefighters

Wear self-contained breathing apparatus and appropriate protective equipment.

Fire residues and contaminated extinguishing media should be disposed according to current regulation. Do not allow extinguishing media to enter sewers, ground water or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with released product. Protect eyes and skin. Use recommended personal protection measures (Section 8).
Ventilate closed areas.

6.2. Environmental precautions

Do not allow the product to enter sewers, ground and surface waters. Do not rinse product to the sewers. In case of water contamination - inform appropriate authorities immediately.

6.3. Methods and material for containment and cleaning up

In case of unsealed container or spillage secure source of contamination and move product to empty container. Spillages should be treated by appropriate sorbent (sand, sawdust, diatomaceous earth, vermiculite, universal absorbent), collected to closed container, labelled and safely disposed. Area of spillage should be cleaned with water. Cleaning up should be conducted under appropriate ventilation.

6.4. Reference to other sections

See section 8 for protective clothing – See section 7 for safe handling – See section 13 for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Read label before using product and use only as directed.

Avoid direct contact with mouth, skin and eyes.

Do not eat, drink, or smoke while in use.

Wash hands, face, and any exposed skin after use and before eating or drinking.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container, tightly closed in a cool, dry place.

Store away from children, food, beverage, and animal feed.

Store away from Oxidizing agents. Strong acids/bases

Store in a well-ventilated location.

7.3. Specific end use(s)

See section 1.2.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Contains no substances with work place exposure limits.

8.2. Exposure controls

Where exposure may occur engineering controls should be employed. A risk assessment should be carried out and the following PPE may be appropriate /required.

PPE	Item in use	Spillage
Respirators	Not needed under normal use and adequate ventilation.	Not needed under normal use and adequate ventilation.
Gloves	Protective Gloves to EN 374 Nitrile or PVC. Glove thickness 0.4mm, Break through time 30mins.	Protective Gloves to EN 374 Nitrile or PVC. Glove thickness 0.4mm, Break through time 30mins.
Overall	Not required under normal use.	Not required under normal use.
Goggles / Face shield	Safety glasses to EN 166	Safety glasses to EN 166

General safety and hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Clear blue liquid.
Odour:	Eucalyptus Menthol.
Odour threshold:	No data
pH:	7
Melting point/freezing point:	As water.
Initial boiling point/boiling range:	As water.
Flash point:	No data available.
Evaporation rate:	As water.
Flammability:	No data available.
Upper/lower flammability or explosive limits:	Not applicable.
Vapor pressure:	Not applicable.
Vapor density:	Not applicable.
Relative density:	1
Solubility(ies):	Water: Miscible.
Partition coefficient n-octanol/water (log Kow):	No available data.
Auto-ignition temperature:	No available data.
Decomposition temperature:	No available data.
Viscosity:	Not applicable.
Explosive properties:	No data available.
Oxidising properties:	No data available.

9.2 Other Information

No further relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Chemically stable under normal conditions. Product has a three-year shelf life from date of manufacture.

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10.3. Possibility of hazardous reactions

No additional information available.

10.4. Conditions to avoid

No additional information available.

10.5. Incompatible materials

Metals.

10.6. Hazardous decomposition products

No additional information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Classification of the product was conducted by calculation method according to regulation 1272/2008, based on the content of hazardous ingredients:

- a) acute toxicity:** Based on data available classification criteria are not met.
- b) irritation:** Causes severe skin burns and eye damage. pH: 7.
- c) corrosivity:** Causes severe skin burns and eye damage. pH: 7.
- d) sensitisation:** Based on data available, classification criteria are not met.
- e) repeated dose toxicity:** Based on data available classification criteria are not met.
- f) carcinogenicity:** Based on data available classification criteria are not met.
- g) mutagenicity:** Based on data available classification criteria are not met.
- h) toxicity for reproduction:** Based on data available classification criteria are not met.
- i) aspiration:** No information.

11.2. Other Data

See section 2.3

SECTION 12: Ecological information

12.1. Toxicity

Harmful to fish. Do not contaminate ponds, waterways or ditches with the chemical or used container.

Alcohol Alkoxylate: LC50 fish: >10-100 mg/l – EC50 Daphnia: >10-100 mg/l – ErC50 (other aquatic plants): >10-100 mg/l
QAC.: ErC50 (Algae): <10 mg/l

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

Chlorhexidine Digluconate: Log Pow: -0.33

No additional information available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

None known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal of the product, empty containers and contaminated packaging must be made in accordance with the local law.

Dispose of unused product in the original container as hazardous waste.

Empty containers and contaminated PPE should be considered hazardous and disposed of appropriately.

Suggested waste code 20 01 19.

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SECTION 14: Transport information

14.1. UN number

UN 31760

14.2. UN proper shipping name

CORROSIVE LIQUID, N.O.S.

14.3. Transport hazard class(es).

Class 8



14.4. Packing group

iii

14.5. Environmental hazards

No

14.6. Special precautions for user

Overland transport	Transport by sea	Air transport
Classification code (ADR): C9	Special provisions (IMDG): 223, 274	PCA Excepted quantities (IATA): E1
Special provisions (ADR): 274	Limited quantities (IMDG): 5 L	PCA Limited quantities (IATA): Y841
Limited quantities (ADR): 5L	Excepted quantities (IMDG): E1	PCA limited quantity max net quantity (IATA): 1L
Excepted quantities (ADR): E1	Packing instructions (IMDG): P001, LP01	PCA packing instructions (IATA): 852
Packing instructions (ADR): P001, IBC03, LP01, R001	IBC packing instructions (IMDG): IBC03	PCA max net quantity (IATA): 5L
Mixed packing provisions (ADR): MP19	Tank instructions (IMDG): T7	CAO packing instructions (IATA): 856
Portable tank and bulk container instructions (ADR): T7	Tank special provisions (IMDG): TP1, TP28	CAO max net quantity (IATA): 60L
Portable tank and bulk container special provisions (ADR): TP1, TP28	EmS-No. (Fire): F-A	Special provisions (IATA): A3
Tank code (ADR): L4BN	EmS-No. (Spillage): S-B	ERG code (IATA): 8L
Vehicle for tank carriage: AT	Stowage category (IMDG): A	
Transport category (ADR): 3		
Special provisions for carriage - Packages (ADR): V12		
Hazard identification number (Kemler No.): 80		
Orange plates: N/A		
Tunnel restriction code (ADR): E		
EAC code: 2X		
APP code: B		

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code.

Not applicable.

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SECTION 15: Regulatory information

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substance

Labelling according to Regulation (EC) No 1272/2008

Control of Substances Hazardous to Health Regulations 2002 (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

Use only in accordance with label instructions.

Operatives using this product should be trained in its use.

The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations.

Ingredient classification data:

Acute Toxicity Cat.3 (Oral)

H301: Toxic if swallowed

Acute Toxicity Cat.4 (Oral)

H302: Harmful if swallowed

Acute Toxicity Cat.4 (Dermal)

H312: Harmful in contact with skin

Skin corrosion Cat. 1B

H314: Causes severe skin burns and eye damage

Serious eye damage Cat.1

H318: Causes serious eye damage

Single Target Organ Toxicity Repeat Exposure Cat. 2

H373: May cause damage to organs through prolonged or repeat exposure.

Aquatic toxicity acute Cat.1

H400: Very toxic to aquatic life.

Aquatic toxicity chronic Cat.1

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

Aquatic toxicity chronic Cat.3

H412: Harmful to aquatic life with long lasting effects.

Issue number (date)	Section amended
Issue.5 (July 2019)	
Issue.6 (November 2020)	Update to style and layout – some updates to minor wording.

This safety data sheet does not constitute a COSHH assessment.

The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. The information provided in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Killgerm Chemicals Limited for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.