

PX-RTU Safety Data Sheet

Labelling according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878



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

1.1 Product identifier

PX-RTU
UFI: N/A

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

Relevant identified uses: Surface Disinfectant

Uses advised against: Not otherwise specified

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.

Killgerm Chemicals Ltd Tel:01924 268452 (Office hours) Emergency Line 01865407333

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic Cat 3. H412: Harmful to aquatic life with long lasting effects

2.2. Label elements

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

Signal Word: N/A

Hazard statements:

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:

P102 - Keep out of reach of children.

P101 - If medical advice is needed, have product container or label at hand.

P273 - Avoid release to the environment.

P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

- Product does not contain any substances known to be endocrine disruptors

- This product does not contain any substances classified as PBT or vPvB

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous Components in Product

Ingredient Name	Identifiers	Concentration	Classification	H Phrase	M factor	Specific Concentration Limits
Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16))	CAS-No: 68424-85-1 EC-No: 270-325-2 REACH Reg No: 01-2119970550-39	<1%	Acute Tox. 4 Skin Corr. 1 Eye Dam. 1 Aquatic Acute 1 Aquatic Chronic 1	H302 H314 H318 H400 H410	Acute = 10 Chronic = 1	N/A
Didecyldimethylammonium Chloride	CAS-No: 7173-51-5 EC-No: 230-525-2 Index-No: 612-131-00-6 REACH Reg No: 01-2119945987-15	<1%	Acute Tox. 4 Skin Corr. 1B Eye Dam. 1 Aquatic Acute 1 Aquatic Chronic 2	H302 H314 H318 H400 H411	Acute = 10	N/A

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N-(3-Aminopropyl)- Ndodecylpropane- 1,3-diamine	CAS-No: 2372-82-9 EC-No: 219-145-8 REACH Reg No: 01- 219980592-29	<1%	Acute Tox. 3 Skin Corr. 1B Eye Dam. 1 STOT RE 2 Aquatic Acute 1 Aquatic Chronic 1	H301 H314 H318 H373 H400 H410	Acute = 10 Chronic = 1	N/A
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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

Eye contact: Immediately wash out with plenty of water. If eye irritation persists: Get medical advice/attention.

Skin contact: Skin irritation should not occur when used as recommended. Wash with plenty of water.

Ingestion: Rinse mouth. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Seek medical advice/attention if you feel unwell.

Inhalation: Not expected to present a significant inhalation hazard under the anticipated conditions of normal use. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

Inhalation: In cases of severe exposure, coughing may develop

Ingestion: May cause gastro-intestinal disturbances

Contact with skin: Product considered to be low hazard under normal conditions of use. In cases of severe exposure, irritation may develop

Contact with eyes: Product considered to be low hazard under normal conditions of use. May cause irritation

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

- Treat symptomatically
- When in doubt or symptoms persist, seek medical attention

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents: Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2. Special hazards arising from the substance or mixture

No hazard expected under normal conditions of use

5.3. Advice for firefighters

Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special precautions are required for this product

6.2. Environmental precautions

- Avoid release to the environment.
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

6.3. Methods and material for containment and cleaning up

- Contain spillage with sand, earth or other suitable non-combustible material. Dispose of spillage to a hazardous or special waste collection point.
- Spillage causes slippery surface
- Wash thoroughly after dealing with spillage

6.4. Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Do not eat, drink or smoke when using this product.
- Avoid contact with skin and eyes
- Dispose of contents/container to an authorised waste collection point

7.2. Conditions for safe storage, including any incompatibilities

- Keep out of reach of children
- Store at ambient temperature
- Store in a closed container.
- Protect from frost
- Protect from heat
- Incompatibility with other materials: Oxidising Substances, Anionics, Hypochlorite, Aldehydes

7.3. Specific end use(s)

See Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16))

DNEL (Consumer; dermal, long term systemic effects): 3.4 mg/kg bw/day

DNEL (Consumer; inhalational, long term systemic effects): 1.64 mg/m³

DNEL (Consumer; oral, long term systemic effects): 3.4 mg/kg bw/day

DNEL (Industry; dermal, long term systemic effects): 5.7 mg/kg bw/day

DNEL (Industry; inhalational, long term systemic effects): 3.96 mg/m³

N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine

DNEL (Industry; dermal, long term systemic effects): 0.91 mg/kg

DNEL (Industry; inhalational, long term systemic effects): 2.35 mg/m³

DNEL (Consumer; inhalational, long term systemic effects): 0.7 mg/m³

DNEL (Consumer; dermal, long term systemic effects): 0.54 mg/kg bw/day

DNEL (Consumer; oral, long term systemic effects): 0.2 mg/kg

Didecyldimethylammonium chloride

DNEL (Industry; dermal, long term systemic effects): 1.55 mg/kg

DNEL (Industry; inhalational, long term systemic effects): 5.39 mg/m³

8.2. Exposure controls

- No special precautions are required for this product
- Avoid contact with skin and eyes
- Hand protection not required. Wash hands at the end of each shift and before eating, smoking or using the toilet.
- No respiratory protection is required

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State:	Liquid
Colour:	Blue
Odour:	Characteristic odour
Melting point/Freezing point:	Not available
Boiling point or initial boiling point and boiling range:	>93 °C at 20 mm /Hg
Flammability:	Not flammable
Lower and upper explosion limit:	Non-explosive
Flash point:	>93°C

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Auto-ignition temperature:

Decomposition temperature:

pH:

Viscosity:

Solubility:

Partition coefficient n-octanol/water (log value):

Vapour pressure:

Density and/or relative density:

Relative vapour density:

Particle characteristics:

* Not relevant due to the nature of the product



Not applicable*

Not applicable*

10.0-11.0

Not applicable*

Completely soluble in water

n-Octanol/water - not known

Not known

0.99-1.02 g/cm³ at 20 °C

Not applicable*

Not applicable*

9.2 Other Information

None

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Considered stable under normal conditions

10.3. Possibility of hazardous reactions

Stable under normal ambient conditions and when used as recommended

10.4. Conditions to avoid

Keep away from heat

10.5. Incompatible materials

Incompatibility with other materials: Oxidising Substances, Anionics, Hypochlorite, Aldehydes

10.6. Hazardous decomposition products

No hazardous decomposition products known

SECTION 11: Toxicological information

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

(a) Acute toxicity;

Estimated LD₅₀ (oral) (ATE) : 57077.63 mg/kg

Estimated LD₅₀ (dermal) (ATE) : >4000 mg/kg

Estimated LD₅₀ (inhalational) (ATE) : >20 mg/l/4hr (gas/vapour)

(b) **Skin corrosion/irritation;** Not hazardous

(c) **Serious eye damage/irritation;** Not hazardous

In cases of severe exposure, irritation may develop

(d) **Respiratory or skin sensitisation;** May cause allergic reaction in susceptible people

(e) **Germ cell mutagenicity;** No evidence of mutagenic effects

(f) **Carcinogenicity;** No evidence of carcinogenic effects

(g) **Reproductive toxicity;** No evidence of reproductive effects

(h) **STOT-single exposure;** No experimental data available

(i) **STOT-repeated exposure;** No experimental data available

(j) **Aspiration hazard;** No aspiration toxicity classification

11.2. Information on other hazards

No effects in humans

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SECTION 12: Ecological information

12.1. Toxicity

Contains ingredients that are dangerous for the environment (see section 3)

12.2. Persistence and degradability

- Expected to be readily biodegradable
- No experimental data available

12.3. Bioaccumulative potential

Low bioaccumulation potential

12.4. Mobility in soil

- Completely soluble in water
- Miscible with water

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB

12.6. Endocrine disrupting properties

Product does not contain any substances known to be endocrine disruptors

12.7. Other adverse effects

Toxic to sewage works organisms

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal of unused product, empty containers and contaminated packaging must be made in accordance with the local law. For information on disposal in the UK contact the environment agency (www.environment-agency.gov.uk) or SEPA (www.SEPA.org.uk). 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 European waste code 20 01 19 for unused product and 15 01 10 for empty contaminated packaging.

SECTION 14: Transport information

14.1. UN number or ID number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es).

N/A

14.4. Packing group

N/A

14.5. Environmental hazards

Contains ingredients that are dangerous for the environment (see section 3)

14.6. Special precautions for user

No special precautions are required for this product

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

Labelling according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

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

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (UK REACH - 2020 No. 1577).

- Restricted to trained professional users in the UK and professional users in Ireland.
- Refer to other relevant measures such as the Health and Safety at Work etc Act 1974 and the COSHH regulations and guidance.
- The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation.

Water Hazard Class (Company): Not hazardous

15.2. Chemical safety assessment

This product is either exempt from REACH or does not meet the minimum volume threshold for a chemical safety assessment (CSA)

This Safety Data Sheet does not constitute a workplace risk assessment

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:

Aquatic Chronic 3 H412 - Harmful to aquatic life with long lasting effects.

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August 2025	First issue

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.