

1 Identification of the preparation and the supplying Company

- 1.1 PX-ULV Odourcide
- 1.2 An Ultra-low volume odour control product
- 1.3 Killgerm Chemicals Ltd, Wakefield Road, Ossett, West Yorkshire, WF5 9AJ.
Tel: +44 (0)1924 268450 Fax: (0)1924 265033 Email: technical@Killgerm.com
- 1.4 Emergency telephones. Medical professionals should use National Poisons Information Service Tel: 0870 600 6266. Killgerm Chemicals Ltd, 01924 268452 (Office hours)
Non-medical professionals should seek information by contacting NHS 111, Tel :111

2 Hazards identification

2.1. Classification of the substance or mixture

PX-ULV Odourcide (as a mixture) does not meet the criteria for classification in any hazard class according to Regulation (EC) 1272/2008 (CLP). However, this SDS has been prepared as the formulation contains substances that could, if pure, require classification.

2.2. Label elements

Labelling according to Regulation (EC) 1272/2008 (CLP):

Hazard Pictogram:	Not Applicable
Signal Word:	Not Applicable
Hazard Statements:	Not Applicable
Precautionary Statements:	Not Applicable

2.3. Other hazard

No substance contained within the PX-ULV Odourcide formulation meets the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

3 Composition and information on ingredients

3.2. Mixtures

Hazardous Components in Product

The formulation of PX-ULV Odourcide contains no substances classified as hazardous, at concentrations >1% w/w; in accordance with Regulation (EC) 1272/2008 (CLP), no further detail is required in this Section.

4 First Aid measures

4.1. Description of first aid measures

Ingestion (swallowing): Give 1 pint of water to drink immediately and consult a doctor if deemed necessary. Do not induce vomiting. If concerned or the victim feels unwell, seek medical attention.

Inhalation: In case of adverse reaction, remove casualty from area of exposure. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If concerned or the

victim continues to feel unwell, seek medical attention.

Skin contact: In case of adverse (allergic) reaction, drench the affected area with running water for 10 minutes or longer if necessary. If concerned, symptoms persist or the victim feels unwell, seek medical attention.

Eye contact: Rinse cautiously with running water for 15 minutes. Remove contact lenses if present and easy to do so. If concerned, symptoms persist or the victim feels unwell, seek medical attention.

First Aider: Recommendations for Personal Protective Equipment

No significant hazard/risk has been identified in respect of the provision of first aid to victim. However, protective gloves are recommended to eliminate/reduce the potential exposure to the first aider.

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

None Identified

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

Not applicable, however treatment should be based on relieving the symptoms.

5 Fire-fighting measures

5.1. Extinguishing media

SUITABLE: Water, Carbon Dioxide, Polymer Foam, Dry Chemical Powder.

UNSUITABLE: Wet Chemical.

5.2. Special hazards arising from the substance or mixture:

May release oxygen on heating.

5.3. Advice for fire-fighters

Wear standard firefighting protective clothing.

6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

PX-ULV Odourcide does not represent a hazard in accordance with Regulation (EC) 1272/2008 (CLP).

For Non-Emergency Personnel:

In the event of accidental spills or release:

Follow company spillage instructions;

Prevent PX-ULV Odourcide from entering drains;

The use of protective gloves is recommended when cleaning up accidental spills;

Additional personal protection to prevent contact with eyes and/or contamination of clothing should be considered, commensurate to the size and nature of the spill.

For Emergency Personnel: See general provisions for Non-Emergency Personnel (above).

6.2. Environmental precautions:

Avoid spilled PX-ULV Odourcide from entering storm drains or surface waterways.

6.3. Methods and material for containment and cleaning up:

For Containment:

For larger spills, surround the extent of the spill with an inert absorbent material (e.g. sand).

For Cleaning Up:

For small spills, or larger spills that have been contained, take up with inert absorbent material;

Do not return spilled PX-ULV Odourcide to the original container;

Water is recommended for removal of remaining trace amounts of product PX-ULV Odourcide.

6.4. Reference to other sections:

In the event of fire, see provisions within Section 5.

In the event of spillages, treat recovered material as per the provisions in Section 13.

7 Handling and storage

7.1. Precautions for safe handling

Advice on General Occupational Hygiene:

Avoid excessive direct inhalation; wear respiratory protection if working in areas during treatment and in treated areas within 1hr after the initial application.

Minimise direct contact with skin;

Wash hands (and other exposed areas of skin) thoroughly after use;

Avoid direct contact with eyes;

Do not ingest.

7.2. Conditions for safe storage, including any incompatibilities

Technical Measures and Storage Conditions: Store in a cool well ventilated area; Keep containers tightly closed.

Packaging Materials: Must only be kept in original packaging.

7.3. Specific end use(s)

Consumer Use (C); Cleaning Products (PC35)

Technical Functions: BIOCIDES; CLEANING AGENT; DEODORIZER

PX-ULV Odourcide is a proprietary blend of odour destructive reagents that can also be used as a multi-surface cleaner. The mixture is not intended for further formulation/re-packaging or to be incorporated into an article.

8 Exposure controls and personal protection

8.1. Control parameters

No specific control parameters have been defined for PX-ULV Odourcide

8.2. Exposure controls

Engineering Controls:

Refer to instructions for use.

Handle and store with care to avoid spillage.

Personal Protection:

Not a hazard in normal use; no specific personal protective equipment required.

Environmental Precautions:

Avoid spilled material from entering storm drains or surface waterways.

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	If required half mask respirator to EN140+P class filter to require protection factor EN143	As "in use"
Gloves	Unlined synthetic eg. Solvex nitrile	As "in use"
Overall	Type 5/6 coverall	As "in use"
Goggles/ Face shield	Goggles to EN166. If required for personal comfort	Faceshield to EN166 if splashing is a risk.

9 Physical and chemical properties

9.1. General information

Appearance:	Liquid; Clear 'Water-white'.
Odour:	mint
pH:	3 – 6
Melting point/Freezing Point:	Not available.
Initial Boiling Point/Boiling Point Range:	Not Available.
Flash Point:	Not Available.
Evaporation Rate:	Not Available.
Flammability (solid, gas):	N/A

Upper/Lower Flammability or explosive limits:	N/A
Vapour Pressure:	N/A
Vapour Density:	N/A
Relative Density:	1.015
Solubility(ies):	Not Available.
Partition Coefficient, n-octanol/water:	Not Available.
Auto-ignition Temperature:	N/A
Decomposition Temperature:	Not Available.
Viscosity:	Not Available.
Explosive Properties:	N/A
Oxidising Properties:	N/A

10 Stability and reactivity

10.1. Reactivity: Not Available.

10.2. Chemical stability: Under storage at normal conditions (e.g. ambient/room temperature), PX-ULV Odourcide is stable.

10.3. Possibility of hazardous reactions: No hazardous reactions are expected if PX-ULV Odourcide is used in accordance with the instructions for use.

10.4. Conditions to avoid: Extremes of temperature and light.

10.5. Incompatible materials: No known incompatible materials however, as per Section 7, PX-ULV Odourcide is not intended for further formulation/re-packaging or to be incorporated into an article. Do not mix with any other chemical product.

10.6. Hazardous decomposition products: Does not decompose is handled, stored and used in accordance with instructions for use. May release oxygen on heating.

11 Toxicological information

11.1 Information on toxicological effects

PX-ULV Odourcide (as a mixture) does not meet the criteria for classification in any hazard class according to Regulation (EC) 1272/2008 (CLP). However, this SDS has been prepared as the formulation contains substances that could, if pure, require classification.

Acute Toxicity: PX-ULV Odourcide is not expected to be toxic via dermal, oral or inhalation (dust/mists) exposures due to the concentrations of the substances within the formulation.

It is possible that some substances, if pure, could be classified under Acute Tox. 4, H302, H312, H332; however, the ATE for the mixture is >5 and thus not classified as Acute Tox. 4 (as per Table 3.1.1, Part 3, Annex I).

Skin Corrosion/Irritation:

PX-ULV Odourcide is not expected to result in skin corrosion/irritation exposures due to the concentrations of the substances within the formulation.

It is possible that some substances, if pure, could be classified under Skin Corr. 1A, H314, and Skin Irrit. 2, H315; however, the sum of ingredients for the mixture is not classified as Skin Corr. 1 or Skin Irrit. 2 (as per

	Table 3.2.3, Part 3, Annex I).
Serious Eye Damage/Irritation:	PX-ULV Odourcide is not expected to result in serious eye damage/irritation exposures due to the concentrations of the substances within the formulation. It is possible that some substances, if pure, could be classified under Eye Irrit. 2, H319; however, the sum of ingredients for the mixture is not classified as Eye Irrit. 2 (as per Table 3.3.3, Part 3, Annex I).
Respiratory/Skin Sensitisation:	PX-ULV Odourcide is not expected to result in respiratory/skin sensitisation exposures.
Germ Cell Mutagenicity:	PX-ULV Odourcide is not germ cell mutagenic.
Carcinogenicity:	PX-ULV Odourcide is not carcinogenic.
Reproductive Toxicity:	PX-ULV Odourcide is not expected to result in reprotoxic exposures due to the concentrations of the substances within the formulation. It is possible that some substances, if pure, could be classified under Repr. 2, H361; however, the sum of ingredients for the mixture is not classified as Repr. 2 (as per Table 3.7.2, Part 3, Annex I).
STOT-Single Exposure:	PX-ULV Odourcide is not expected to result in respiratory irritation (or any other specific organ toxicity) exposures due to the concentrations of the substances within the formulation. It is possible that some substances, if pure, could be classified under STOT SE 3, H335; however, the sum of ingredients for the mixture is not classified as STOT SE 3 (as per Paragraph 3.8.3.4.5, Part 3, Annex I).
STOT-Repeated Exposure:	PX-ULV Odourcide is not expected to result in specific organ toxicity due to repeated exposures.
Aspiration Hazard:	PX-ULV Odourcide is not expected to result in aspiration hazard exposures.

11.2 Other data: see section 2.3

12 Ecological information

12.1. Toxicity: This product is not expected to cause any significant adverse effects on the environment.

12.2. Persistence and degradability: PX-ULV Odourcide is readily biodegradable.

12.3. Bio accumulative potential: PX-ULV Odourcide is not expected to bioaccumulate.

12.4. Mobility in soil: PX-ULV Odourcide is fully miscible with water in all proportions therefore could be highly mobile in the presence of groundwater subject to the specific nature of the soil.

12.5. Results of PBT and vPvB assessment: No substance contained within the PX-ULV Odourcide formulation meets the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

12.6. Other adverse effects: No further adverse effects have been identified.

13 Disposal considerations

13.1. Waste treatment methods

Product Disposal:

The following waste codes may be relevant to disposal requirements:

20 01 29* / 20 01 30	PX-ULV Odourcide
15 02 02* / 15 02 03	Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances / Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

Hazardous wastes (*) should be stored in suitable secure containers prior to collection by a suitably licensed contractor for disposal at an appropriate facility. Hazardous wastes should never be disposed of in drains, surface water or on land.

Non-hazardous wastes may be disposed of in drains/sewers, subject to prevailing legislation and the holding of any relevant consent/permit.

Packaging Disposal:

Return packaging to the supplier wherever possible for recycling;

Dispose of as normal industrial waste.

14 Transport information

14.1. UN number: Not available/required.

14.2. UN proper shipping name: Not available/required.

14.3. Transport hazard class(es) : Not available/required.

14.4. Packing group: Not available/required.

14.5. Environmental hazards: No substance contained within the PX-ULV Odourcide formulation meets the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII. This product is not expected to cause any significant adverse effects on the environment.

14.6. Special precautions for user: Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: PX-ULV Odourcide is not expected to be transported in bulk.

15 Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
Regulation (EU) No. 528/2012 concerning the making available on the market and use of biocidal

products;

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH);

Regulation (EC) No 1272/2008 on classification, labelling and packaging (CLP) of substances and mixtures.

The regulatory information given above only indicates the principal EU regulations specifically applicable to the product described in this Safety Data Sheet.

The user's attention is drawn to the possible existence of additional, related, provisions (such as national legislation that brings the above EU regulations into force in any particular Member State). Please refer to all applicable local, regional, national and international regulations or provisions.

15.2. Chemical safety assessment: Advice on product handling can be found in sections 7 and 8.

No CSA has been carried out for the PX-ULV Odourcide formulation by the Supplier of the Safety Data Sheet.

16 Other information

This 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.

General

The application of PX-ULV Odourcide may lead to floor wetness. Depending on the nature of the floor, and the quantity of application, such wet areas may be slippery and should be suitably marked as slip-hazard areas where appropriate.

Sources of Information

The potential hazards associated with the PX-ULV Odourcide formulation and the substances therein have been taken from the Harmonised Classifications held by, and notifications made to, the European Chemicals Agency (ECHA)¹.

Procedure for Classification for Mixtures according to Regulation (EC) 1272/2008 (CLP)

The classification of PX-ULV Odourcide according to Regulation (EC) 1272/2008 (CLP) has been undertaken using the calculation methods defined in Annex I for all hazards considered by the Regulation.

Legal Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. Probe Industries Ltd shall not be held liable for any damage resulting from handling of or from contact with the above product.

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