



SAFETY DATA SHEET PROTECT

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

1.1. Product identifier

Product name PROTECT

Product number C264

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

Identified uses A multi-purpose bactericidal cleaner with wide spectrum anti-bacterial properties. Protect contains a powerful disinfectant blend of Dialkyl-Quats and Benzalkonium-Quats, and a pleasant fresh fragrance deodoriser. Protect is suitable for use on floors and washable surfaces.

1.3. Details of the supplier of the safety data sheet

Supplier Prochem Europe Ltd
Oakcroft Road
Chessington
Surrey
KT9 1RH

Telephone: 020 8974 1515
Fax: 020 8974 1511
sales@prochem.co.uk

1.4. Emergency telephone number

Emergency telephone 020 8974 1515 (office hours 8am to 5pm Monday to Friday) Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the UK National Poisons Information Service, where our full product details are held.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Elicitation - EUH208

Environmental hazards Aquatic Chronic 3 - H412

Human health Causes serious eye irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Possible respiratory irritation by wetting agents in atomised spray form. The product irritates mucous membranes and may cause abdominal discomfort if swallowed. systemic effects

Environmental Harmful to aquatic life with long lasting effects. The product is expected to be biodegradable.

2.2. Label elements

PROTECT

Pictogram**Signal word**

Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

EUH208 Contains d-Limonene. May produce an allergic reaction.

Precautionary statements

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of water.

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

Detergent labelling

< 5% disinfectants, < 5% perfumes, Contains d-Limonene, Citral

2.3. Other hazards

See section 8 for details of exposure limits.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Propan-2-ol****1-5%**

CAS number: 67-63-0

EC number: 200-661-7

Classification

Flam. Liq. 2 - H225

STOT SE 3 - H336

Eye Irrit. 2 - H319

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides**<1%**

CAS number: 68424-85-1

EC number: 270-325-2

M factor (Acute) = 10

M factor (Chronic) = 1

Classification

Acute Tox. 4 - H302

Skin Corr. 1B - H314

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

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| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides <1% |
| CAS number: 85409-23-0 EC number: 287-090-7 M factor (Acute) = 10 |
| Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Aquatic Acute 1 - H400 |
| Didecyldimethylammonium chloride <1% |
| CAS number: 7173-51-5 EC number: 230-525-2 M factor (Acute) = 10 M factor (Chronic) = 1 |
| Classification Acute Tox. 3 - H301 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 |
| d-Limonene <1% |
| CAS number: 5989-27-5 EC number: 227-813-5 M factor (Acute) = 1 M factor (Chronic) = 1 |
| Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

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| Inhalation | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. |
| Ingestion | Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention. |
| Skin contact | Rinse immediately with plenty of water. Get medical attention if irritation persists after washing. |
| Eye contact | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention. |

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

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| Skin contact | Prolonged skin contact may cause redness and irritation. |
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Eye contact Causes serious eye irritation.

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

Specific treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Water spray, foam, dry powder or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

5.3. Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep out of the reach of children. Store in closed original container at temperatures between 5°C and 30°C. Store in a cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Propan-2-ol

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Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Side shield safety glasses are recommended when handling this product.

Hand protection

Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

Hygiene measures

Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Respiratory protection

Not required in normal use. For situations where recommended exposure limits may be exceeded or where there is a risk of inhalation of fine spray mists, a suitable respirator face mask is recommended.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

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| Appearance | Clear liquid. Viscous liquid. |
| Colour | Yellow. |
| Odour | Floral Lemon. |
| pH | pH (concentrated solution): 7.5 pH (diluted solution): 7.5 |
| Initial boiling point and range | 100°C |
| Flash point | Not applicable. |
| Evaporation rate | Not determined. |
| Upper/lower flammability or explosive limits | Not applicable. |
| Vapour pressure | Not determined. |
| Vapour density | Not determined. |
| Relative density | 1.0 |
| Solubility(ies) | Soluble in water. |
| Partition coefficient | Not determined. |
| Viscosity | Not determined. |
| Explosive properties | Not applicable. |
| Oxidising properties | Not applicable. |

9.2. Other information

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Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Product is deactivated by anionic cleaning agents.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not determined.

10.4. Conditions to avoid

Conditions to avoid Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight.

10.5. Incompatible materials

Materials to avoid anionic surfactants

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Considered to be a low inhalation hazard at normal workplace temperatures. Possible respiratory irritation by wetting agents in atomised spray form. The product irritates mucous membranes and may cause abdominal discomfort if swallowed. Ingestion may cause: systemic effects

Acute toxicity - oral

ATE oral (mg/kg) 35,332.54

Skin corrosion/irritation

Skin corrosion/irritation Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Skin sensitisation

Skin sensitisation Contains Limonene Citral

Germ cell mutagenicity

Genotoxicity - in vivo No effects expected based upon current data.

Carcinogenicity

Carcinogenicity No effects expected based upon current data.

Reproductive toxicity

Reproductive toxicity - fertility No effects expected based upon current data.

Toxicological information on ingredients.

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Propan-2-ol

Acute toxicity - oral

Acute toxicity oral (LD₅₀) 2,000 mg/kg)

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀) 2,000 mg/kg)

Species Rabbit

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity Harmful to aquatic life with long lasting effects. The product contains substances which are Very toxic to aquatic life with long lasting effects.

Ecological information on ingredients.

Propan-2-ol

Acute toxicity - fish LC50, 48 hours, 48 hours: > 100 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours, 72 hours: > 100 mg/l, Scenedesmus subspicatus

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Bioaccumulative potential Not known.

Partition coefficient Not determined.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

SECTION 14: Transport information

14.1. UN number

Not classified for transportation.

14.2. UN proper shipping name

None.

14.3. Transport hazard class(es)

ADR/RID class -

IMDG class -

14.4. Packing group

None.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

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

National regulations The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

EU legislation 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).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information Telephone 020 8974 1515

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 24/06/2015

Revision 3

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|----------------------------------|---|
| Supersedes date | 27/08/2013 |
| Signature | Aaron Saunders |
| Hazard statements in full | <p>EUH208 Contains d-Limonene. May produce an allergic reaction.</p> <p>H225 Highly flammable liquid and vapour.</p> <p>H226 Flammable liquid and vapour.</p> <p>H301 Toxic if swallowed.</p> <p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> |

For additional information on safety, training and use of this product, contact the supplier. This product is intended for professional use only. The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.