



SAFETY DATA SHEET

Disinfectant Cleaner, Stain & Odour Remover

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

1.1. Product identifier

Product name	Disinfectant Cleaner, Stain & Odour Remover
Product number	L1002A
Internal identification	L1002A

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

Identified uses	Ready to use stain & odour remover
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1.3. Details of the supplier of the safety data sheet

Supplier	Byotrol plc Building 303 (Ashton), Thornton Science Park, Pool Lane, Ince, Chester, CH2 4NU Tel: +44 (0) 1925 742 000 Fax: +44 (0) 1925 363 099 info@byotrol.com
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1.4. Emergency telephone number

Emergency telephone	+44 (0) 1925 742 000 (Available only within office hours 9am - 5pm)
National emergency telephone number	National Poisons Information Service (24-hour service) Tel: +44 (0) 844 892 0111 (UK only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Eye Irrit. 2 - H319
Environmental hazards	Aquatic Chronic 3 - H412

2.2. Label elements

Hazard pictograms



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Detergent labelling	< 5% cationic surfactants, < 5% non-ionic surfactants, < 5% perfumes, Contains Hydroxyisohexyl 3-cyclohexene carboxaldehyde, Hexyl cinnamal

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<p>N,N-dimethyldodecylamine N-oxide <1%</p> <p>CAS number: 2605-79-0 EC number: 220-020-5</p> <p>M factor (Acute) = 1</p>
<p>Classification</p> <p>Acute Tox. 4 - H302</p> <p>Skin Irrit. 2 - H315</p> <p>Eye Dam. 1 - H318</p> <p>Aquatic Acute 1 - H400</p>
<p>Didecyldimethylammonium chloride (DDAC) <1%</p> <p>CAS number: 7173-51-5 EC number: 230-525-2</p> <p>M factor (Acute) = 10 M factor (Chronic) = 1</p>
<p>Classification</p> <p>Acute Tox. 3 - H301</p> <p>Acute Tox. 4 - H312</p> <p>Skin Corr. 1B - H314</p> <p>Aquatic Acute 1 - H400</p> <p>Aquatic Chronic 1 - H410</p>
<p>Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16)) <1%</p> <p>CAS number: 68424-85-1 EC number: 270-325-2</p> <p>M factor (Acute) = 10 M factor (Chronic) = 1</p>
<p>Classification</p> <p>Met. Corr. 1 - H290</p> <p>Acute Tox. 4 - H302</p> <p>Skin Corr. 1B - H314</p> <p>Aquatic Acute 1 - H400</p> <p>Aquatic Chronic 1 - H410</p>

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Ingestion	Do not induce vomiting. Get medical attention if symptoms are severe or persist. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person.
Skin contact	Skin irritation should not occur when used as recommended. Wash with plenty of water.
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 and get medical attention.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	The product is considered to be a low hazard under normal conditions of use.
Inhalation	May cause coughing and difficulties in breathing.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	Prolonged contact may cause irritation, burning, tearing or blurred vision.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Carbon dioxide (CO ₂). Powder. Water spray. Alcohol-resistant foam.
Unsuitable extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards	None known.
Hazardous combustion products	Toxic gases and fumes may be released in a fire.

5.3. Advice for firefighters

Protective actions during firefighting	Use fire-extinguishing media suitable for the surrounding fire. Fight fire with normal precautions from a reasonable distance. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
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

For non-emergency personnel	In case of fire: Wear self-contained breathing apparatus. Wear protective clothing, gloves, eye and face protection. Keep unnecessary and unprotected personnel away from the spillage. Eliminate all sources of ignition. Ventilate closed spaces before entering them.
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For emergency responders Wear self-contained breathing apparatus. Wear protective clothing, gloves, eye and face protection. Dilute with plenty of water. Do not allow uncontrolled discharge of product into the environment. Evacuate unnecessary personnel.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain spillage with sand, earth or other suitable non-combustible material. Dilute with plenty of water. Contain and dispose of waste according to local regulations.

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 Use only non-sparking tools. Avoid contact with eyes.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep containers upright. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight. Avoid contact with oxidising agents. Store at temperatures not exceeding 35°C.

Storage class Unspecified storage.

7.3. Specific end use(s)

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

Usage description Remove as much surface soiling as possible, spray the product generously onto the stained area and rub gently with a cloth or paper towel. No need to rinse. Heavy stains may require a second application. Allow surfaces to dry before allowing pets to walk on treated areas. If in doubt, always test on an inconspicuous area prior to use.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Not determined for this product.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Eye/face protection Chemical splash goggles.

Hand protection Hand protection not required.

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Respiratory protection Respiratory protection not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless to pale yellow.
Odour	Characteristic.
Odour threshold	Not determined.
pH	pH (concentrated solution): 9.50 - 10.50
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not relevant.
Upper/lower flammability or explosive limits	Not relevant.
Other flammability	Not relevant.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	0.99 - 1.01 @ 20°C
Bulk density	Not relevant.
Solubility(ies)	Soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not relevant.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.
Comments	Information given is applicable to the product as supplied.

9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable at normal ambient temperatures and when used as recommended.

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10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Stable at normal ambient temperatures and when used as recommended.

10.4. Conditions to avoid

Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Materials to avoid Anionics. Hypochlorite. Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects This product is considered non-toxic to humans.

Acute toxicity - oral

ATE oral (mg/kg) 58,571.43

Skin corrosion/irritation

Skin corrosion/irritation Not classified.

Serious eye damage/irritation

Serious eye damage/irritation Not classified.

Respiratory sensitisation

Respiratory sensitisation Not classified.

Skin sensitisation

Skin sensitisation May cause sensitisation or allergic reactions in sensitive individuals.

Germ cell mutagenicity

Genotoxicity - in vitro Not classified.

Genotoxicity - in vivo Not classified.

Carcinogenicity

Carcinogenicity Not classified.

Reproductive toxicity

Reproductive toxicity - fertility Not classified.

Reproductive toxicity - development Not classified.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified.

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Aspiration hazard

Aspiration hazard Not classified.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity When used as instructed, the product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

Persistence and degradability Not determined.

12.3. Bioaccumulative potential

Partition coefficient Not determined.

12.4. Mobility in soil

Mobility Not determined.

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 Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations Do not discharge into drains or watercourses or onto the ground. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

Disposal methods The generation of waste should be minimised or avoided wherever possible.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

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Not applicable.

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

EU legislation 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

Revision date	12/08/2019
Revision	4
Supersedes date	25/04/2019
SDS number	5225
Hazard statements in full	H290 May be corrosive to metals. H301 Toxic if swallowed. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.