
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Pest Clean Disinfectant Concentrate
- UFI: TBC
- Product Part Number: DI361

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

- Use of the substance/mixture: Cleaning agent

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Biosecurity Solutions Limited
- Address of Supplier: B1 Aerodrome Studios
2-8 Airfield Road
Christchurch
BH23 3TS
- Telephone: +44 (0) 3335770039
- Responsible Person: Mr R. Fraser
- Email: info@guard-pro.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 3335770039 office hours only
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Asp. Tox. 1, Acute Tox. 4, Skin Corr. 1B, STOT RE 2, Aquatic Chronic 1

2.2 Label elements



- Signal Word: Danger

Hazard statements

Harmful if swallowed.
May cause damage to organs through prolonged or repeated exposure.
Causes severe skin burns and eye damage.
May be fatal if swallowed and enters airways.
Very toxic to aquatic life with long lasting effects.

Precautionary statements

Keep out of reach of children.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash affected contact areas thoroughly after handling.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Wash contaminated clothing before reuse.

SECTION 2: Hazards identification (....)

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
If skin irritation or rash occurs: Get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Avoid release to the environment.
Dispose of contents/container to

2.3 Other hazards

- Contains: N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides

SECTION 3: Composition/information on ingredients**3.2 Mixtures****Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides**

CAS Number: 68424-85-1
EC Number: 270-325-2
Concentration: 5 - 10%
H Statements: H290;H302;H314;H410
Categories: Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1

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

CAS Number: 2372-82-9
EC Number: 219-145-8
Concentration: 1 - 5%
H Statements: H302;H314;H373;H410
Categories: Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1

Didecylmethylammonium Chloride

CAS Number: 7173-51-5
EC Number: 230-525-2
Concentration: 1 - 5 %
H Statements: H302;H314;H318;H400
Categories: Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, STOT SE 3, Aquatic Acute 1

Chlorhexidine Gluconate

CAS Number: 18472-51-0
EC Number: 242-354-0
Concentration: 1 - 5%
H Statements: H318, H400, H410
Categories: Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1

Alcohols, C9-11, branched and linear, ethoxylated 5 - 20 EO

CAS Number: 68439-46-3

SECTION 3: Composition/information on ingredients (....)

EC Number: Polymer
Concentration: 1 - 5%
H Statements: H302;H318
Categories: Acute Tox. 4, Eye Dam. 1

SECTION 4: First aid measures**4.1 Description of first aid measures**

- Wash contaminated clothing before reuse.

Contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Get immediate medical advice/attention.

Contact with skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Get immediate medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Can cause damage to the eyes, skin and mucous membranes
- Prolonged skin or eye contact may cause chemical burns

4.3 Indication of any immediate medical attention and special treatment needed

- Immediately call a POISON CENTER or doctor/physician.
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- Decomposition products may include nitrogen and carbon oxides
- Smoke from fires is irritating. Take precautions to protect personnel from exposure
- May give off noxious and toxic fumes in a fire

5.3 Advice for firefighters

- In poorly ventilated areas or confined spaces, use an airline respirator or self-contained breathing apparatus
 - Smoke from fires is irritating. Take precautions to protect personnel from exposure
 - Prevent run off water from entering drains if possible
 - Wear chemical protection suit and positive-pressure breathing apparatus
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SECTION 6: Accidental release measures

Spillage causes slippery surface

6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate the area
- Use personal protective equipment as required.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid contact with skin and eyes
- Do not breathe dust/fume/gas/mist/vapours/spray.

6.2 Environmental precautions

- Avoid release to the environment.
- Use appropriate containment to avoid environmental contamination
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Absorb spillage in inert material and shovel up
- Collect spillage.
- Place in appropriate container

6.4 Reference to other sections

- See Section 8 & 13
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.
- Avoid contact with skin and eyes
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Forms hazardous decomposition products
- Wear protective gloves/protective clothing/eye protection/face protection.
- Get medical advice/attention if you feel unwell.
- Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

- Avoid contact with acids and alkalis
- Keep away from heat and sources of ignition
- Store in a well-ventilated place. Keep cool.
- Keep only in the original container in a cool, well ventilated place away from oxidising substances
- Forms hazardous decomposition products
- Store locked up.

7.3 Specific end use(s)

- Cleaning agent
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SECTION 8: Exposure controls/personal protection

SECTION 8: Exposure controls/personal protection (....)**8.1 Control parameters****N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine**

- DNEL (Industry; dermal, long term systemic effects): 0.91 mg/kg bw/day
- DNEL (Industry; inhalational, long term systemic effects): 2.35 mg/m³
- DNEL (Consumer; dermal, long term systemic effects): 0.54 mg/kg bw/day
- DNEL (Consumer; inhalational, long term systemic effects): 0.7 mg/m³
- DNEL (Consumer; oral, long term systemic effects): 0.2 mg/kg bw/day

8.2 Exposure controls

- Avoid contact with skin and eyes
- Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.
- Ensure adequate ventilation
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Physical state: Liquid
- Colour: Blue
- Odour: Perceptible odour
- Melting point/Range: Not available
- Boiling Point/Range: Not available
- Flammability: Not flammable
- pH: ~8
- Solubility in water: Miscible with water
- Density: Not available
- Flashpoint: >93°C

9.2 Other information

- No information available

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

- No hazardous reactions known if used for its intended purpose
- May give off noxious and toxic fumes in a fire

10.4 Conditions to avoid

- Keep in a cool, well ventilated place away from oxidising substances

10.5 Incompatible materials

SECTION 10: Stability and reactivity (....)**10.6 Hazardous decomposition products**

- Decomposition products may include toxic and irritant fumes
- Smoke from fires is toxic. Take precautions to protect personnel from exposure
- Unlikely to occur when used as directed.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity****Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides**

LD₅₀ (oral, rat): 795 mg/kg
LD₅₀ (dermal, rabbit): 3,412.5 mg/kg

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

LD₅₀ (oral, rat): 261 mg/kg

Alcohols, C9-11, branched and linear, ethoxylated 5 - 20 EO

LD₅₀ (dermal, rabbit): > 2000 mg/kg
LD₅₀ (oral, rat): 1400 mg/kg

Chlorhexidine Gluconate

LD₅₀ (oral, rat): > 2000 mg/kg

Skin corrosion/irritation

Can cause damage to the skin

Serious eye damage/irritation

Can cause damage to the eyes

Respiratory or skin sensitisation

May cause allergic reaction in susceptible people

Germ cell mutagenicity

Based on the available data, the classification criteria are not met

Carcinogenicity

Based on the available data, the classification criteria are not met

Reproductive toxicity

Based on the available data, the classification criteria are not met

STOT (specific target organ toxicity) - single exposure

Based on the available data, the classification criteria are not met

STOT (specific target organ toxicity) - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 11: Toxicological information (....)**11.2 Information on other hazards**

- No information available

SECTION 12: Ecological information**12.1 Toxicity****Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides**

LC₅₀ (rainbow trout): 0.85 mg/l (96 hr)

EC₅₀ (daphnia): 0.016 mg/l (48 hr)

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

PNEC (Fresh water): 0.001 mg/l

PNEC (intermittent): 0.00015 mg/l

PNEC (Marine water): 0.0001 mg/l

PNEC (Sediment; fresh water): Dry Weight 8.5 mg/kg

PNEC (Sediment; marine water): Dry Weight 0.85 mg/kg

PNEC (Soil): Dry Weight 45.34 mg/kg

PNEC (STP): 1.33 mg/l

LC₅₀ (fish): >0.1 - 1 mg/l (96 hr)

EC₅₀ (Daphnia magna): >0.01 - 0.1 mg/l (48 hr)

IC₅₀ (algae): > 0.01 - 0.1 mg/l (72 hr)

Chlorhexidine Gluconate

EC₅₀ (daphnia): 0.087 mg/l (48 hr)

LC₅₀ (fish): 10.4 mg/l (96 hr)

IC₅₀ (algae): 0.011 mg/l (72 hr)

12.2 Persistence and degradability

- The surfactant(s) contained in this preparation 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

- No information available

12.4 Mobility in soil

- miscible with water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

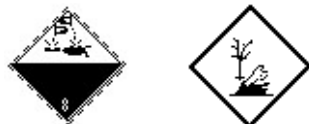
- No information available

12.7 Other adverse effects

- May cause long-term adverse effects in the environment

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

- Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information**14.1 UN number or ID number**

- UN No.: 1760

14.2 UN proper shipping name

- Proper Shipping Name: CORROSIVE LIQUID, N.O.S.

14.3 Transport hazard class(es)

- Hazard Class: 8

14.4 Packing group

- Packing Group: I

14.5 Environmental hazards

- Marine Pollutant
- ENVIRONMENTALLY HAZARDOUS

14.6 Special precautions for user

- Contains: Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine.

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**

- EH40/2005 Occupational Exposure limits (UK)
- The COSHH Regulations apply in the UK
- The surfactant(s) contained in this preparation 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.

15.2 Chemical safety assessment

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H290: May be corrosive to metals. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage. H373: May cause damage to organs through



SECTION 16: Other information (....)

prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.

Composition information in accordance with EC Regulation 648/2004 of the European Parliament and of the Council of 31st March 2004 on detergents: Non-ionic surfactants >5 - <15%%, cationic surfactants >10 % - < 25% %, disinfectants

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

This Safety Data Sheet does not constitute a workplace risk assessment

--- end of safety datasheet ---
