
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: DETSAN

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

- Use of the substance/mixture: Disinfectant for professional use.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: QJS (UK) Ltd
- Address of Supplier: Saxilby Enterprise Park, Lincoln, LN1 2LR
- Telephone: 01522 703703 (Office hours: 07:30 - 16:30 hours)
- Email: sales@foodclean.com

1.4 Emergency telephone number

- Emergency Telephone: 01978 434877 (Out of hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Aquatic Acute 1, Skin Corr. 1B, Aquatic Chronic 2

2.2 Label elements



- Signal Word: Danger

Hazard statements

Causes severe skin burns and eye damage.
Toxic to aquatic life with long lasting effects.
Very toxic to aquatic life.

Precautionary statements

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Do not breathe dust/fume/gas/mist/vapours/spray.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Wear protective gloves/protective clothing/eye protection/face protection.
Immediately call a POISON CENTER or doctor/physician.
Avoid release to the environment.
Wash hands thoroughly after handling.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Wash contaminated clothing before reuse.

SECTION 2: Hazards identification (....)

Collect spillage.

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

Store locked up.

2.3 Other hazards

- Contains: quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides
didecyldimethylammonium chloride

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

didecyldimethylammonium chloride

CAS Number: 7173-51-5

EC Number: 230-525-2

REACH Registration Number: 01-2119945987-15-XXXX

Concentration: 1 - 10%

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2

Symbols: GHS05;GHS06;GHS09

H Statements: H301;H314;H318;H411;H400

ethanol; ethyl alcohol

CAS Number: 64-17-5

EC Number: 200-578-6

REACH Registration Number: 01-2119457610-43-XXXX

Concentration: <1%

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: Flam. Liq. 2, Eye Irrit. 2A

Symbols: GHS02;GHS07

H Statements: H225;H319

quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

CAS Number: 63449-41-2

EC Number: 264-151-6

REACH Registration Number: 01-2120761540-60-XX

Concentration: 1 - 10%

Specific Concentration Limits:

M factor:

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

Acute toxicity estimate:

Categories: Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1

Symbols: GHS05;GHS09;GHS07

H Statements: H302;H314;H318;H410;H400

Citric Acid

CAS Number: 77-92-9

EC Number: 201-069-1

REACH Registration Number: 01-2119457026-42-xxxx

Concentration: 1 - 10%

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: Eye Irrit. 2

Symbols: GHS07

H Statements: H319

Alcohols, C9-11, ethoxylated

CAS Number: 68439-46-3

EC Number:

REACH Registration Number:

Concentration: 1 - 10%

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: Acute Tox. 4, Eye Dam. 1

Symbols: GHS05;GHS07

H Statements: H302;H318

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

- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label
- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
- When in doubt or symptoms persist, seek medical attention
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

4.2 Most important symptoms and effects, both acute and delayed

SECTION 4: First aid measures (....)

- Can cause damage to the eyes, skin and mucous membranes
- Possible blistering of the skin of affected areas
- Risk of serious damage to eyes

4.3 Indication of any immediate medical attention and special treatment needed

- In case of burns immediately cool affected skin as long as possible with cold water
 - Remove contaminated clothing immediately and drench affected skin with plenty of water
 - Obtain immediate medical attention
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

- In case of fire use water, foam, carbon dioxide or dry agent

5.2 Special hazards arising from the substance or mixture

- No information available

5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure breathing apparatus
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SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Wear protective clothing as per section 8

6.2 Environmental precautions

- Do not empty into drains
- Do not flush spilt material into any public water system
- Use appropriate containment to avoid environmental contamination

6.3 Methods and material for containment and cleaning up

- Absorb spillage in suitable inert material
- Collect as much as possible in clean container for reuse or disposal
- Remove contaminated material to safe location for subsequent disposal

6.4 Reference to other sections

- See Section 13 for waste treatment information
 - See Section 8 for information on PPE
 - See Section 13 for waste treatment information
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SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Avoid contact with skin and eyes
 - Do not breathe spray/mists
 - Do not mix with any other products
 - Ensure adequate ventilation
 - Eyewash bottles should be available
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SECTION 7: Handling and storage (....)

- In case of accident by inhalation: remove casualty to fresh air and keep at rest
- Proper chemicals handling procedures should be adopted
- Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed, in a cool, well ventilated place
- Do not store in direct sunlight
- Protect from frost
- Store locked up.

7.3 Specific end use(s)

- No information available
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SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

didecyldimethylammonium chloride

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

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

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

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

ethanol; ethyl alcohol

TLV (TWA): 1,000 ppm 1,920 mg/m³

DNEL (Consumer; dermal, long term systemic effects): 206 mg/kg

DNEL (Consumer; inhalational, long term systemic effects): 114 mg/m³

DNEL (Consumer; oral, long term systemic effects): 87 mg/kg

DNEL (Industry; dermal, long term systemic effects): 343 mg/kg

DNEL (Industry; inhalational, long term systemic effects): 950 mg/m³

PNEC: (Oral) 380 mg/kg

quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

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

8.2 Exposure controls

- Engineering controls should be provided which maintain airborne concentrations as low as practicable
 - In case of insufficient ventilation, wear suitable respiratory equipment
 - Wear goggles giving complete eye protection
 - Wear suitable gloves
 - Wear suitable protective clothing
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SECTION 9: Physical and chemical properties

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/Range: not applicable
- Boiling Point/Range: not available
- Flammability: Non-flammable
- pH: 1.5 - 2.5
- Solubility in water: miscible with water
- Density: 1.01 +/- 0.22
- Flashpoint: >93°C

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

- If exposed to light, substance may discolour with time
- No hazardous reactions known if used for its intended purpose
- This article is considered stable under normal conditions

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

10.4 Conditions to avoid

- Keep away from heat and sources of ignition
- Keep cool. Protect from sunlight.

10.5 Incompatible materials

- DO NOT MIX WITH ANY OTHER CHEMICALS
- Avoid contact with soft metals unless advised otherwise

10.6 Hazardous decomposition products

- Decomposition products may include hydrogen
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SECTION 11: Toxicological information

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

Acute toxicity

Estimated LD₅₀ (oral) (ATE) : 2469.136 mg/kg

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

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

SECTION 11: Toxicological information (....)

didecyldimethylammonium chloride

LD₅₀ (oral) : 297.5 mg/kg

LD₅₀ (skin, rabbit): 4,178 mg/kg

LD₅₀ (oral, rat): 238 mg/kg

quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

LD₅₀ (dermal, rabbit): 3414 mg/kg

LD₅₀ (oral, rat): 397.5 mg/kg

Citric Acid

LD₅₀ (oral, mouse): 5400 mg/kg

LD₅₀ (skin, rat): >2000 mg/kg

Alcohols, C9-11, ethoxylated

LD₅₀ (oral, rat): >2000 mg/kg

Skin corrosion/irritation

Serious eye damage/irritation

Respiratory or skin sensitisation

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

STOT (specific target organ toxicity) - single exposure

STOT (specific target organ toxicity) - repeated exposure

Aspiration hazard

11.2 Information on other hazards

SECTION 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability

12.3 Bioaccumulative potential

12.4 Mobility in soil

- miscible with water

12.5 Results of PBT and vPvB assessment

SECTION 12: Ecological information (....)

12.6 Endocrine disrupting properties

12.7 Other adverse effects

- Toxic to sewage works organisms

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point

SECTION 14: Transport information

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

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: III

14.5 Environmental hazards

- Marine Pollutant

14.6 Special precautions for user

- Contains: quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides
didecyldimethylammonium chloride

14.7 Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006

15.2 Chemical safety assessment

- A chemical safety assessment is not required under REACH

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H225: Highly flammable liquid and vapour. H301: Toxic if swallowed. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. 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. H411: Toxic to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

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