

SAFETY DATA SHEET according to regulation (EC) No.1907/2006

Date of issue: 06 October 2014

Issue number: 1

SECTION 1: Identification of the substance/mixture and company

1.1. Product Identifier

Product code: TK210

Name: Biocleanse™

1.2. Product Uses

A ready to use deodorising cleaner,degreaser, disinfectant and fungicide for use in scientific, medical and biotechnology environments to combat biological hazards.

1.3. Supplier

Quadralene Ltd
Bateman Street
Derby
DE23 8JL

Phone: 01332 292500

Web: www.quadralene.co.uk

Fax: 01332 295941

Email: info@quadralene.co.uk

1.4. Emergency telephone number

Emergency telephone number: 01332 292402

SECTION 2: Hazards identification (Undiluted product)

2.1. Classification of the mixture

According to 1272/2008

Health Hazards: Not Classified

Physical Hazards: Not Classified

Environmental Hazards: Not Classified

2.2. Label elements

According to 1272/2008

Not classified as Hazardous under current EU regulations

P262 Do not get in eyes, on skin, or on clothing.

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

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

P405 Store locked up.

2.3. Other hazards

SECTION 3: Composition/ information on ingredients

Material	CAS number	Level	Hazards (see section 16)	
Benzalkonium chloride	68424-85-1	0-0.5%	Acute Tox. 4, Aquatic Acute 1, Skin Corr. 1B	H302 H312 H314 H400
Trisodium nitrilotriacetate	5064-31-3	0-0.5%	Carc. 2, Eye Irrit. 2, Met. Corr. 1	H319 H290 H351

SECTION 4: First aid measures

4.1. Description of first aid measures

Eye contact: Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance if irritation persists.

Skin contact: Remove contaminated clothing, wash skin with water and seek medical attention if irritation persists.

Inhalation: Not applicable.

Ingestion: Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.

First aider PPE: As required to prevent contact. See section 8.2.

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

Eye hazard: Will cause discomfort.

Skin hazard: Prolonged or repeated contact may cause irritation/dryness.

Respiratory hazard: Not a hazard in normal use. Breathing spray mist may cause irritation.

Other hazards:

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

No special treatment or attention required additional to section 4.2.

SECTION 5: Fire fighting measures

Flammability hazard: Not combustible.

5.1. Extinguishing media

No special requirements. As appropriate for the fire.

5.2. Special hazards arising from the mixture

No specific hazards arising from the mixture.

5.3. Advice for firefighters

No special measures arising from the mixture.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Take precautions to avoid contact. Use Personal Protective Equipment as detailed in section 8

Spillage may make floors slippery. Keep the area clear. Observe regulations.

6.2. Environmental precautions

Prevent spills from entering water courses.

6.3. Methods and material for containment and cleaning up

Large quantities, contain and absorb or pump into suitable containers for disposal.

Small quantities, flush to foul sewer with a large quantity of water.

6.4. Reference to other sections

Observe the advice given in sections 8 and 13

SECTION 7: Handling and storage

Shelf life: 24 months in original sealed containers.

7.1. Precautions for safe handling

Do not mix with other products. Observe good industrial hygiene.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry place protected from frost and away from acids, strong oxidising agents and sources of ignition. Store upright in original containers. Recommended storage temperature 5-25°C.

7.3. Product Uses

Use as supplied. Apply by spray, mop, soaking or using ultrasonic agitation. Rinse cleaned surfaces with water if necessary. Avoid contact with sensitive surfaces such as aluminium and polycarbonate. Please refer to product safety data sheet before use. Use only as directed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits

None set in UK EH40

8.2. Exposure controls

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Eye protection: Wear eye protection appropriate to the process according to BS EN 166 if splashing is likely.

Hand protection: Wear pvc or latex gloves. Exact choice of glove depends on specific risk assessments.

Body protection: As necessary to prevent contact.

Respiratory protection: Not applicable.

Other protection:

Personal protective equipment:

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Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.

Environmental protection: Prevent mixture from entering water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Clear Light Blue liquid

Odour: Mild.

pH (typical): 9.7- 10.7 as supplied(typical)

Initial boiling point: 100°C.

Auto-ignition temp: Not applicable.

Explosive properties: None known.

Oxidising properties: None known.

Vapour pressure: 17.5mm Hg at 20°C.

Solubility: Miscible with water.

Relative density at 20° C (typical): 1.001

Flash point: Not applicable.

Viscosity: Free flowing.

9.2. Other information

SECTION 10: Stability and reactivity

- 10.1. Reactivity** Incompatible with strong oxidising agents and acids.
- 10.2. Chemical stability** Stable under recommended storage conditions.
- 10.3. Possibility of hazardous reactions** No hazardous reactions are expected to occur.
- 10.4. Conditions to avoid** Extremes of temperature.
- 10.5. Incompatible materials** Incompatible with strong oxidising agents and acids.
- 10.6. Hazardous decomposition products** None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:	Contains ingredients classified as Acute Tox. Section 3. Mixture is not classified as Acute Tox.
Skin corrosion/ irritation:	Contains an ingredient classified as Skin Corr. Section 3. Mixture is not classified as Skin Corr.
Serious eye damage/ irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation:	Does not contain any ingredients classified as Sensitising.
Germ cell mutagenicity:	Does not contain any ingredients classified as mutagenic.
Carcinogenicity:	Contains an ingredient classified as Carc. 2. Section 3. Mixture is not classified as Carc. 2.
Reproductive toxicity:	Does not contain any ingredients classified as toxic for reproduction.
STOT single exposure:	Does not contain any ingredients classified as STOT SE.
STOT repeated exposure:	Does not contain any ingredients classified as STOT RE.
Aspiration toxicity:	Does not contain any ingredients classified as Asp Tox.

Routes of exposure/ symptoms

Eye contact:	Will cause discomfort.
Skin contact:	Prolonged or repeated contact may cause irritation/dryness.
Inhalation:	Not a hazard in normal use. Breathing spray mist may cause irritation.
Ingestion:	Low toxicity.

SECTION 12: Ecological information

- 12.1. Toxicity** This product has microbiocidal properties. Large quantities may affect biological treatment plants.
- 12.2. Persistence and degradability** All organic ingredients are biodegradable when well diluted.
- 12.3. Bioaccumulative potential** Not expected to bioaccumulate
- 12.4. Mobility in soil** This product has high water solubility
- 12.5. Results of PBT and vPvB assessment** Contains no ingredients classified as PBT or vPvB.
- 12.6. Other adverse effects** No other adverse effects are anticipated.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Small quantities of product can be diluted to 1% with water and processed in a biological treatment plant.
Large quantities, dispose via a licensed chemical waste contractor.
Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted.

SECTION 14: Transport information

- 14.1. UN number** Not classified **14.2. UN proper shipping name** N/a
- 14.3. Transport hazard class(es)** N/a **14.4. Packing group** Na
- 14.5. Environmental hazards** Not classified as environmentally hazardous for transport
- 14.6. Special precautions for user** No specific precautions.
- 14.7. Transport in bulk according to Annex II of MARPOL 7 3/78 and the IBC Cod** Not available for bulk transport.

SECTION 15: Regulatory information

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

Contents according to (EC) regulation No.648/2004 on detergents:

Cationic surfactants	<5%
NTA and salts thereof	<5%
Nonionic surfactants	<5%

15.2. Chemical safety assessment A chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements relating to ingredients (see section 3)

H302 Harmful if swallowed

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage

H400 Very toxic to aquatic life

H319 Causes serious eye irritation

H290 May be corrosive to metals

H351 Suspected of causing cancer

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This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information in this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications.

