

PRODUCT DATA SHEET

Application details and Health and Safety Data

Product Code: TK200

Biocleanse® Concentrate

Biocidal cleaner

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

Biocleanse Concentrate is effective against a wide range of micro-organisms including *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Enterococcus hirae*, *E.coli*, MRSA, VRE, *Candida albicans*, *Penicillium spp*, HIV, HBV, HCV, Swine flu (H1N1), Avian flu (diseases of poultry), Norovirus, *Clostridium difficile*, *Mycobacterium tuberculosis* and other mycobacteria. Full efficacy data is available on request.

Directions for use

For routine cleaning/ disinfection use a 5% solution in water. In cases of extreme contamination Biocleanse can be used at higher concentrations or undiluted depending on the cleaning technique and the degree of contamination. Apply by high pressure equipment or manual methods, soaking or using ultrasonic agitation. On sensitive surfaces, surfaces where a low residue finish is required or where residual activity is not desirable, the treated area should be rinsed with water. Do not allow the cleaning solution to dry on. Minimise contact with sensitive surfaces such as aluminium and polycarbonates.

Please refer to product safety data sheet before use. Use only as directed.

WIDE SPECTRUM BIOCIDES

EFFECTIVE AGAINST:

- TB • MRSA
- SWINE FLU (H1N1) • AVIAN FLU (H5N1)
- NOROVIRUS • HIV • HBV • HCV

CHIP 3 HEALTH AND SAFETY DATA SHEET

Section 1 Identification of the substance/preparation and company

Product code TK200
Name: Biocleanse® Concentrate
Intended use: Biocidal cleaner
Supplier: Teknon Products
Bateman Street
Derby

DE23 8JL

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Section 2 Composition/information on ingredients

Material	CAS number	Level	Hazards (see section 16)
Alkaline sequestrant		5-15%	Xn R22 R36/38
Nonionic surfactant		1-5%	Xn R22 R41 R50
Benzalkonium chloride		5-15%	C R34 Xn R22 N R50

Section 3 Hazards identification (Undiluted product)

CHIP classification: Irritant

Eye hazard: Will cause severe irritation and damage.

Skin hazard: Will cause irritation.

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

Flammability hazard: Not combustible.

Other hazards:

Section 4 First aid measures

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

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

Inhalation: If irritation occurs, remove to fresh air, keep warm and at rest, seek medical attention immediately.

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

Section 5 Fire fighting measures

Not applicable.

Section 6 Accidental release measures

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

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

Section 7 Handling and storage

Store in a cool, dry place protected from frost and away from acids and strong oxidising agents. Store upright in original containers.

Directions for use: For routine cleaning/ disinfection use a 5% solution in water. In cases of extreme contamination Biocleanse can be used at higher concentrations or undiluted depending on the cleaning technique and the degree of contamination. Apply by high pressure equipment or manual methods, soaking or using ultrasonic agitation. On sensitive surfaces, surfaces where a low residue finish is required or where residual activity is not desirable, the treated area should be rinsed with water. Do not allow the cleaning solution to dry on. Minimise contact with sensitive surfaces such as aluminium and polycarbonates.

Please refer to product safety data sheet before use. Use only as directed.

Shelf life: 24 months in good conditions

Section 8 Exposure controls/personal protection

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 chemical splash goggles to BS EN 166 34B

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: Use in a well ventilated area, avoid breathing spray mist, wear a protective mask to EN149 if necessary.

Other protection:

Personal protective equipment:



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

Occupational exposure limit

None set

Section 9 Physical and chemical properties

Appearance Blue liquid

Odour: Mild, characteristic.

pH: 10 1% in water (typical).

Boiling point: 100°C.

Melting point: Not applicable.

Flash point: Not applicable.

Auto-ignition temperature: Not applicable.

Explosive properties: Not applicable.

Oxidising properties: Not applicable.

Vapour pressure 17.5mm Hg at 20°C.

Relative density at 20 C: 1.051

Solubility: Miscible with water.

Viscosity: Free flowing.

Section 10 Stability and reactivity

Conditions to avoid: Extremes of temperature.

Materials to avoid: Incompatible with strong oxidising agents and acids.

Hazardous decomposition products None known.

Section 11 Toxicological information

Eye contact: Will cause severe irritation and damage.

Skin contact: Will cause irritation.

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

Ingestion: Moderate toxicity, will cause irritation to gastro-intestinal tract.

Long term: Based on current knowledge, no long term effects are anticipated if used correctly.

Section 12 Ecological information

Water based product. All organic ingredients are biodegradable when well diluted.

May affect aquatic organisms due to high pH if released into water courses untreated.

This product has microbiocidal properties. Large quantities may affect biological treatment plants.

Volatile organic content: 0 % w/w 0 g/l

Section 13 Disposal considerations

Process effluent can normally be discharged to foul sewer (subject to consent limits).

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

Transport Classification: Not classified

UN number not classified Transport class Packing group:

Section 15 Regulatory information

CHIP Classification Irritant



Irritant

Product risk and safety phrases

R41 Risk of serious damage to eyes.

R38 Irritating to skin.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S2 Keep out of reach of children.

Relevant UK law: Chemicals (hazard information and packaging) Regulations (CHIP). Control of substances hazardous to health regulations (COSHH, COSHH essentials). For guidance see www.hse.gov.uk, www.dti.gov.uk/chemicals.

Section 16 Other information

R phrases relating to ingredients (see section 2)

R22 Harmful if swallowed.

R36/38 Irritating to eyes and skin.

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms.

R34 Causes burns.

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.