

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product identifier:

Product Name: ACTICIDE BAC 50 M

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

Use of the substance/mixture: Biocidal product for industrial use

Use advised against: Applications at which aerosols (mist) might arise

Company name:

Nexchem Ltd
Unit 3 Barshaw Park
Leycroft Road
Leicester
LE4 1ET
Tel: 0116 2311130
24/7 Emergency Tel: 0800 246 1274
Email: sales@nexchem.co.uk

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

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

CHIP:

Label elements:



Signal Word:

Danger.

Hazard statements:

H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET
Benzalkonium Chloride 50%

Issued: 14/06/2023

Page 2

Precautionary statements:

- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 - If skin irritation occurs: Get medical advice/attention.
- P501 - Dispose of contents/container to accordance with local/regional/national/international regulations.

Other hazards: No further relevant information available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances: Quaternary Ammonium compounds, benzyl (C12-C16) Alkyl Dimethyl, Chlorides
CAS Number: 68424-85-1
% w/w 50

4. FIRST AID MEASURES

Description of first aid measures:

General Information: Personal protection for the First Aider.

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Ingestion: P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do not give victim anything to drink if he/she is unconscious
Bring vomiting person into recovery position

Contact with skin: P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

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

Most important symptoms and effects, both acute and delayed:

Corrosive damage to gastro-intestinal tract. Danger of gastric perforation.
Probable mucosal damage may contraindicate the use of gastric lavage

Indication of any immediate medical attention and special treatment needed:

If swallowed gastric irrigation with activated carbon
Rinse eyes thoroughly with physiological saline.

[cont...]

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray jet
Extinguishing powder
CO2
Foam

Special hazards arising from the substance or mixture:

Nitrogen oxides (NOx)
Hydrogen chloride (HCl)
Carbon monoxide

Advice for firefighters:

Wear self-contained breathing apparatus
Collect contaminated firefighting water separately. It must not enter drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Particular danger of slipping on leaked product.
Wear protective clothing as per section 8.
Keep unprotected persons away.
Wear protective gloves.

Environmental Precautions:

As the product is hazardous for the aquatic environment, it must be prevented from reaching surface water.
Prevent from spreading (e.g. by enclosing with a ring of chemical absorbent).
Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up:

Collect large amounts in suitable container. Cover the rest with absorbent, mix intensively and collect mechanically.

Suitable binder:

Multi-purpose absorbent.
Dispose of contaminated material as waste according to section 13.

Decontamination procedure:

Quats are incompatible with anionic compounds.
Polluted surfaces can be decontaminated with a 10% sodium lauryl sulphate solution.

Reference to other sections:

No further relevant information available.

7. HANDLING AND STORAGE

Precautions for safe handling: Ensure adequate ventilation.
It is preferable to handle the product in a closed system.
Load carefully, avoid splashes.
Risks to the safety and health of workers may not only be created work involving chemicals but, inter alia by work equipment and the fitting-out of work-places. Those risks shall be identified and evaluated.

Conditions for safe storage, including any incompatibilities:

Store only in the original container.
Store away from feed and foodstuffs.
If the product solidifies at low temperatures, it can be restored by slowly warming the product.
The effectiveness is not affected hereby.
Prevent release to the environment by adequate secondary containment design and use of appropriate spill control procedures.
Protect from frost.

Specific end use(s): See Section 1.2

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters: None established.

Exposure controls:



Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines.

If ventilation is insufficient wear dust mask or chemical respirator whichever is appropriate.

Wear suitable protective clothing.

Wear protective gloves.

Wear tightly fitting safety goggles/face shield.

Wash hands during work breaks and at the end of the shift.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Form:	Liquid
Colour:	Colourless to yellowish clear. The product could also be dyed as blue or green
Odour:	Mild
pH:	value at 20°C 6.0-9.0
Melting point/Range:	0°C
Boiling Point/Range:	> 107 °C
Vapour pressure:	23 mbar at 20°C
Density:	0.975-0.995 g/cm ³ at 20°C
Self-ignition:	Product is not self-igniting
Danger of explosion:	Product is not explosive
Solubility in water:	Fully miscible
Other information:	No further relevant information available.

10. STABILITY AND REACTIVITY

Reactivity:	Corrosive action on metals possible.
Chemical stability:	No decomposition if used and stored according to specifications.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	No further relevant information available.
Incompatible materials:	Oxidizing Agents. Anionic Compounds.
Hazardous Decomposition Products:	No further relevant information available.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

	Acute Toxicity Harmful if swallowed
LD50 (oral, rat):	795 mg/kg
ATE: (Dermal):	> 5000 mg/kg (calculated)
Skin contact:	Causes severe skin burns
Eye contact:	Causes serious eye damage
Sensitisation:	Non sensitising
Carcinogenicity:	Not Classified
Mutagenicity:	Not Classified
Reproductive toxicity:	Not Classified
STOT-single exposure:	Not Classified
STOT-repeated exposure:	Not Classified

12. ECOLOGICAL INFORMATION

Toxicity:	Very toxic to aquatic life (H400) H410 - Very toxic to aquatic life with long lasting effects. Depending on concentration, toxic effects on activated sludge organisms are possible. EC10: (Selenastrum capricornutum) 0.0025 mg/l EC50 (daphnia) 0.016 mg/l (48 hr) EC50 (Selenastrum capricornutum) 0.025 mg/l (72 hr) LC50 (rainbow trout) 0.85 mg/l (96 hr) NOEC (Daphnia) 0.025 mg/l (21 days)
Persistence and degradability:	Readily biodegradable. The substances are biodegradable/ eliminable in activated sludge units. OECD 301 D (Closed-Bottle Test) > 70% (Activated Sludge).
Bioaccumulation Potential:	No further relevant information available.
Mobility in soil:	No further relevant information available.
Results of PBT and vPvB assessment:	Not Classified as PBT/vPvB by current EU criteria.
Other Adverse Effects:	No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:	Dispose of the product, packaging and any residuals in compliance with local and national regulations.
---------------------------------	--

14. TRANSPORT INFORMATION

UN Number:	
UN No.:	1760
UN Proper Shipping Name:	
Proper Shipping Name:	CORROSIVE LIQUID N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, BENZYL (C12-C16) ALKYL DIMETHYL, CHLORIDES), ENVIRONMENTALLY HAZARDOUS
Transport hazard class(es):	
Hazard Class:	8
Packing group:	
Packing Group:	II

SAFETY DATA SHEET
Benzalkonium Chloride 50%

Issued: 14/06/2023

Page 7

Environmental hazards:

Environmental hazards: Yes

Marine pollutant: Yes

Special precautions for user:

Warning: Corrosive substances.

Tunnel Restriction Code: E

Transport in bulk according to Annex II of MARPOL and the IBC code: Not applicable.

15. REGULATORY INFORMATION

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Legal disclaimer: The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.