

SAFETY DATA SHEET

Alpha Concentrate

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier:

Product code/part no.	Product identifier
ZSAPo5001	Alpha Unit dose

Substance name: Alpha Concentrate

1.2. Relevant identified uses of the substance or mixture and uses advised against
 Relevant identified uses: Surface disinfection

1.3. Details of the supplier of the Safety Data Sheet

Manufacturer/supplier: Micronclean
 Address: Roman Bank
 Skegness
 Lincolnshire
 PE25 1SQ, UK

Email: enquiries@micronclean.co.uk
 Tel/Fax: 0044 (0) 1754 767171

1.4. Emergency Telephone: 0044 (0) 1754 767171
 Opening hours: Only available during office hours (GMT)
 Other comments: Phone service available in English language

2. Hazards Identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP]
 Aquatic Chronic 1: H410; Skin Corr. 1B: H314; Aquatic Acute 1: H400
 Causes severe skin burns and eye damage. Very toxic to aquatic life with long lasting effects.

Additional information:
 For full text of hazard statements: see SECTION 16.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms: GHS05: Corrosion
 GHS09: Environmental



Signal word: DANGER
 Hazard statements: H314: Causes severe skin burns and eye damage.
 H410: Very toxic to aquatic life with long lasting effects.
 Precautionary statements: P260: Do not breathe dust/ fumes/ gas/ mist/ vapours/ spray.

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P280: Wear protective gloves/protective clothing/eye protection/face protection

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard information (EU): Not applicable.

- 2.3. Other hazards:
This product is not identified as a PBT/vPvB substance.

3. Composition/information on ingredients

3.2. Hazardous ingredients

ALKYLDIMETHYLBENZALKONIUMCHLORIDE

EINECS	CAS	CLASSIFICATION	PERCENT
270-325-2	68424-85-1	Aquatic acute 1: H400; Aquatic Chronic 1: H410; Skin Corr. 1B: H314; Acute Tox. 4: H302	1-10%

DIDECYLDIMETHYLAMMONIUM CHLORIDE

EINECS	CAS	CLASSIFICATION	PERCENT
230-525-2	7173-51-5	Acute Tox. 4: H302; Skin Corr. 1B: H314	1-10%

ALCOHOL ETHOXYLATE

EINECS	CAS	CLASSIFICATION	PERCENT
931-954-4	160901-19-9	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412	1-10%

TRISODIUM NITRILOTRIACETATE

EINECS	CAS	CLASSIFICATION	PERCENT
225-768-6	5064-31-3	Carc. 2: H351; Acute Tox. 4: H302; Eye Irrit. 2: H319	<1%

4. First aid measures

- 4.1. Description of first aid measures

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- Skin Contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
- Eye Contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Wash mouth out with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be irritation and redness. The eyes may water profusely.
- Ingestion:** There may be soreness and redness of the mouth and throat.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
- Delayed/immediate effects:** Immediate effects can be expected after short-term exposure.

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

Eye bathing equipment should be available on the premises.

5. Firefighting measures

- 5.1. Extinguishing media**
Suitable extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
- 5.2. Special hazards arising from the substance or mixture**
Exposure hazards: Corrosive. In combustion emits toxic fumes.
- 5.3. Advice for firefighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures**
Personal precautions: Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid. Refer to section 8 of SDS for personal protection details.
- 6.2. Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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6.3. Methods and material for containment and cleaning up

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections: Refer to section 8 of MSDS.

7. Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Storage containers: Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

Packaging materials: Must only be kept in original packaging

7.3. Specific end uses
No data available.

8. Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL / PNEC values: No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Approved safety goggles. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Appearance: Hazy, colourless

Odour: Faint almond

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Solubility in water: Soluble
 Relative Density: 1.00 – 1.05 g/ml
 pH: 8.5 – 10.5

9.2. Other information: No data available

10. Stability and reactivity

- 10.1. Reactivity: Stable under recommended transport or storage conditions.
- 10.2. Chemical stability: Stable under normal conditions.
- 10.3. Possibility of hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
- 10.4. Conditions to avoid: Heat.
- 10.5. Incompatible materials: Strong oxidising agents. Strong acids.
- 10.6. Hazardous decomposition products: In combustion emits toxic fumes.

11. Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ALKYLDIMETHYLBENZALKONIUMCHLORIDE

DERMAL	RBT	LD ₅₀	3340	mg/kg
ORAL	RAT	LD ₅₀	344	mg/kg

DIDECYLDIMETHYLAMMONIUM CHLORIDE

IPR	RAT	LD ₅₀	45	mg/kg
ORAL	MUS	LD ₅₀	268	mg/kg

ALCOHOL ETHOXYLATE

DERMAL	RAT	LD ₅₀	>2000	mg/kg
ORAL	RAT	LD ₅₀	300 – 2000	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

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Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

12. Ecological information

12.1. Toxicity

Hazardous ingredients:

ALKYLDIMETHYLBENZALKONIUMCHLORIDE

ALGAE	96H ErC ₅₀	0.049	mg/l
DAPHNIA MAGNA	48H EC ₅₀	0.016	mg/l
FISH	96H LC ₅₀	0.28	mg/l

ALCOHOL ETHOXYLATE

ALGAE	72H ErC ₅₀	1 – 10	mg/l
DAPHNIA	48H EC ₅₀	1 – 10	mg/l
DAPHNIA MAGNA	48H EC ₅₀	1 – 10	mg/l
FISH	96H LC ₅₀	1 – 10	mg/l

12.2. Persistence and degradability: Biodegradable

12.3. Bioaccumulative potential: No bioaccumulation potential

12.4. Mobility in soil: Readily absorbed into soil

12.5. Results of PBT and vPvB assessment
PBT identification: This product is not identified as a PBT substance

12.6. Other adverse effects: No data available .

13. Disposal considerations

13.1. Waste treatment methods

Disposal operations:

Transfer to a suitable container and arrange for collection by a specialised disposal company.

NB:

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport information

14.1. UN No: UN1760

14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S.
(DIDECYLDIMETHYLAMMONIUM CHLORIDE;
ALKYLDIMETHYLBENZALKONIUMCHLORIDE)

14.3. Transport hazard class(es): Transport class 8

14.4. Packing group: II

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

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- 14.6. Special precautions for user
Special precautions: No special precautions
Tunnel code: E
Transport category: 2

15. Regulatory Information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Specific regulations: Not applicable
- 15.2. Chemical safety assessment
A chemical safety assessment has not been carried out for the substance or mixture by the supplier.

16. Other information

- 16.1. Other information
This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 2015/830.
Contact for enquiries: 0044 (0)1754 767377
- 16.2. Phrases used in s.2 and 3
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Abbreviations:

EC:	European Commission
EINECS:	European Inventory of Existing Commercial Substances
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals
CAS:	Chemical Abstracts Service
GHS:	Global Harmonised System
STOT SE:	Specific Target Organ Toxicity - Single Exposure
STEL:	Short-Term Exposure Limit
OEL:	Occupational Exposure Limit
TWA:	Time-Weighted Average
DNEL:	Derived No-Effect Level
PNEC:	Predicted No-Effect Concentration
PBT:	Persistent, Bioaccumulative and Toxic
LD50:	(Median) Lethal Dose
LC50:	(Median) lethal concentration
EC50:	(Median) effective concentration
ErC50:	(Median) effective concentration in terms of reduction in growth rate
vPvB:	Very Persistent, Very Bioaccumulative
HSE:	Health and Safety Executive
STV:	Short Term Value
NIOSH:	Occupational Safety & Health Administration

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OSHA: National Institute for Occupational Safety and Health

16.3. Legal disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Issue 3: amended due to ingredient change.

Date of issue: 14 February, 2018