



**SAFETY DATA SHEET**  
MINIML ANTI-BAC SURFACE CLEANER

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Compilation date: 24/09/2020

Revision No: 1

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** Miniml Anti-Bac Surface Cleaner

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

**Use of substance / mixture:** Detergent

**1.3. Details of the supplier of the safety data sheet**

**Company name:** The Friendly Chemical Co Limited

Unit 12, Ryefield Way

Silsden, Keighley

West Yorkshire

BD20 0EF

United Kingdom

**Tel:** + 44 1535 509 003

**Email:** hello@thefriendlychemicalco.com

**1.4. Emergency telephone number**

**Emergency tel:** + 44 1535 509 003

(office hours only)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Eye Irrit. 2: H319

**Most important adverse effects:** Causes serious eye irritation.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H319: Causes serious eye irritation.

**Hazard pictograms:** GHS07: Exclamation mark



**Signal words:** Warning

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

P102: Keep out of reach of children.

P103: Read label before use.

[cont...]

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**2.3. Other hazards**

**PBT:** This product is not identified as a PBT/vPvB substance.

**Section 3: Composition/information on ingredients**

**3.2. Mixtures**

**Hazardous ingredients:**

LACTIC ACID

EINECS	CAS	PBT / WEL	CLP Classification	Percent
201-196-2	79-33-4	-	Skin Irrit. 2: H315; Eye Dam. 1: H318	1-5%

ALCOHOLS,C9-C11 ETHOXYLATED

-	68439-46-3	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-5%
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AMINES,C12-14-ALKYLDIMETHYL,N-OXIDES

931-292-6	308062-28-4	-	Eye Dam. 1: H318; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Skin Irrit. 2: H315	<1%
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**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Considered to be a non irritant but if symptoms occur seek medical advice

**Eye contact:** Bathe the eye with running water for 15 minutes. Seek medical attention if irritation or symptoms persist

**Ingestion:** Considered non hazardous by ingestion

**Inhalation:** Not applicable.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** Not applicable.

**Inhalation:** Not applicable.

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

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

**Immediate / special treatment:** Not applicable.

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

[cont...]

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**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** In combustion emits toxic fumes.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Turn leaking containers leak-side up to prevent the escape of liquid. Surfaces contaminated with the product will become slippery.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** 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**

**Reference to other sections:** Refer to section 8 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid contact with eyes, keep away from children Adopt manual Handling Practices

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

**7.3. Specific end use(s)**

**Specific end use(s):** No data available.

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Workplace exposure limits:** No data available.

**DNEL/PNEC Values**

**Hazardous ingredients:**

[cont...]

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### AMINES,C12-14-ALKYLDIMETHYL,N-OXIDES

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	6.2mg/m3	Workers	Systemic
DNEL	Dermal	11mg/kg/day	Workers	Systemic
DNEL	Inhalation long term exposure	1.53mg/m3	General Population	Systemic
DNEL	Dermal long term exposure	5.5mg/kg/day	General Population	Systemic
DNEL	oral long term exposure	0.44mg/kg/day	General Population	Systemic
PNEC	Fresh water	0.0335 mg/l	-	-
PNEC	Marine water	0.00335 mg/l	-	-
PNEC	intermittent release	0.0335 mg/l	-	-
PNEC	Fresh water sediments	5.24 mg/kg	-	-
PNEC	Marine sediments	0.524 mg/kg	-	-
PNEC	Soil (agricultural)	1.02 mg/kg	-	-
PNEC	sewage treatment plant	24 mg/kg	-	-

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** None required if adequate air flow is maintained. If exposure limits are encountered respiratory protection has to be available.

**Hand protection:** Under normal use wash hands with water.

**Eye protection:** In case of splash injury wear appropriate safety goggles/eye protection

**Skin protection:** Classified as a non-hazardous product so protective clothing is optional, for factory situation where large quantities are dispensed wearing of protective clothing is advised.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Clear

**Odour:** Grapefruit

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** Soluble

**Boiling point/range°C:** No data available.

**Melting point/range°C:** No data available.

**Flammability limits %: lower:** No data available.

**upper:** No data available.

**Flash point°C:** >93

**Part.coeff. n-octanol/water:** No data available.

**Autoflammability°C:** No data available.

**Vapour pressure:** No data available.

**Relative density:** No data available.

**pH:** 2.5-4

**VOC g/l:** No data available.

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**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**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**

**Conditions to avoid:** Heat. Freezing

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids. Strong bases.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**LACTIC ACID**

DERMAL	RBT	LD50	2000	mg/kg
ORAL	RAT	LD50	3730	mg/kg

**ALCOHOLS,C9-C11 ETHOXYLATED**

DERMAL	-	LD50	>2000	mg/kg
ORAL	-	LD50	>300-<2000	mg/kg

**AMINES,C12-14-ALKYLDIMETHYL,N-OXIDES**

ORAL	RAT	LD50	1064	mg/kg
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**Relevant hazards for product:**

Hazard	Route	Basis
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Serious eye damage/irritation	OPT	Hazardous: calculated
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**Symptoms / routes of exposure**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** Not applicable.

**Inhalation:** Not applicable.

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

**Section 12: Ecological information**

**12.1. Toxicity**

**Hazardous ingredients:**

**LACTIC ACID**

ALGAE	72H IC50	3.5	mg/l
Daphnia magna	48H EC50	240	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	320	mg/l

**ALCOHOLS,C9-C11 ETHOXYLATED**

ALGAE	72H IC50	>10-<=100	mg/l
FISH	72H IC50	>10-<=100	mg/l

**AMINES,C12-14-ALKYLDIMETHYL,N-OXIDES**

ALGAE	72H IC50	0.143	mg/l
ALGAE	NOEC	0.067	mg/l
Daphnia magna	48H EC50	3.1	mg/l
FISH	96H LC50	2.67	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** Readily absorbed into soil.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

[cont...]

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**12.6. Other adverse effects**

**Other adverse effects:** Negligible ecotoxicity.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

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

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 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**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

**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.