

# SAFETY DATA SHEET

## according to EC - directive 1907/2006/EC



Product Trade Name: METROCLENS

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

Details of the supplier of the safety data sheet

Supplier	Metrodent Limited Lowergate Works, Lowergate Paddock, Huddersfield United Kingdom +44 1484 461616 sales@metrodent.com
Product Name	Metroclens
Product Identified uses	Detergent. Auto shampoo. Cleaning agent.

### 2. COMPOSITION INFORMATION ON INGREDIENTS

Mixtures

2-BUTOXYETHANOL	1-5%	
CAS-No.: 111-76-2	EC No.: 203-905-0	Registration Number: 01-2119475108-36-xxxx
Classification (EC 1272/2008)		Classification (67/548/EEC)
Acute Tox. 4 - H302		Xn;R20/21/22
Acute Tox. 4 - H312		Xi;R36/38
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
SODIUM HYDROXIDE	1-5%	
CAS-No.: 1310-73-2	EC No.: 215-185-5	Registration Number: 01-2119-457892-27-xxxx
Classification (EC 1272/2008)		Classification (67/548/EEC)
Met. Corr. 1 - H290		C;R35
Skin Corr. 1A - H314		
ALCOHOL ETHOXYLATE	1-5%	
CAS-No.: 68439-45-2	EC No.:	
Classification (EC 1272/2008)		Classification (67/548/EEC)
Acute Tox. 4 - H302		Xn;R22.
Eye Dam. 1 - H318		Xi;R41.
ALKYLAMINE DICARBOXYLATE SODIUM SALT	1-5%	
CAS-No.: 90170-43-7	EC No.: 295-264-9	
Classification (EC 1272/2008)		Classification (67/548/EEC)
Eye Irrit. 2 - H319		Xi;R36.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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### 3. HAZARDS IDENTIFICATION

Classification (EC 1272/2008)	Physical and Chemical Hazards	Met. Corr. 1 - H290
	Human health Skin	Corr. 1B - H314
	Environment	Not classified.

Classification (1999/45/EEC) C;R34.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

Corrosive. Prolonged contact causes serious eye and tissue damage.

Physical and Chemical Hazards

May attack light-alloy metals and liberate hydrogen gas.

Label elements

Contains SODIUM HYDROXIDE

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

Hazard Statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary Statements

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

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

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

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

P501 Dispose of contents/container in accordance with local regulations.

Supplementary Precautionary Statements

P234 Keep only in original container.

P260 Do not breathe vapour/spray.

P264 Wash contaminated skin thoroughly after handling.

P310 Immediately call a POISON CENTER or doctor/physician.

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

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### 4. FIRST AID MEASURES

General information	If medical attention is required present a copy of this datasheet to the physician.
Inhalation	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	DO NOT induce vomiting. Get medical attention immediately. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Rinse mouth thoroughly. Give milk instead of water if readily available. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!
Skin contact	Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.  Get medical attention if irritation persists after washing.
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.
Most important symptoms and effects, both acute and delayed	
Inhalation	No specific symptoms noted.
Ingestion	Burning sensation in mouth. May cause chemical burns in mouth and throat. May cause discomfort if swallowed.
Skin contact	Burning pain and severe corrosive skin damage.
Eye contact	Extreme irritation of eyes and mucous membranes, including burning and tearing.
Indication of any immediate medical attention and special treatment needed	
No specific first aid measures noted.	

### 5. FIRE-FIGHTING MEASURES

Extinguishing media	This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.
Special hazards arising from the substance or mixture	
Hazardous combustion products	
None under normal conditions. In case of fire, toxic gases (CO, CO <sub>2</sub> , NO <sub>x</sub> ) may be formed.	
Unusual Fire & Explosion Hazards	
No unusual fire or explosion hazards noted.	
Advice for firefighters	
Special Fire Fighting Procedures	
Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours.	
Protective equipment for fire-fighters	
Wear breathing apparatus	

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	
Use protective gloves, goggles and suitable protective clothing. Avoid contact with skin and eyes. In case of spills, beware of slippery floors and surfaces.	
Environmental precautions	
Prevent products access into water courses. Notify authorities if large amounts of the material have entered a watercourse.	
Methods and material for containment and cleaning up	
GENERAL. Stop leak if possible without risk. DO NOT touch spilled material! Inform Authorities if large amounts are involved. COLLECT.	
Collect with non-combustible absorbent material. Flush with water. Dike for large spills.	

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### 7. HANDLING AND STORAGE

Precautions for safe handling

Read and follow manufacturer's recommendations. Wear full protective clothing for prolonged exposure and/or high concentrations. Avoid spilling, skin and eye contact. Provide good ventilation.

Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

Storage Class

Corrosive storage.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
2-BUTOXYETHANOL	WEL	25 ppm 123 mg/m <sup>3</sup>	50 ppm 246 mg/m <sup>3</sup>	Sk
SODIUM HYDROXIDE	WEL		2 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

2-BUTOXYETHANOL (CAS: 111-76-2)

DNEL

Industry	Dermal	Short Term	89	mg/kg/day
Industry	Inhalation.	Short Term	663	mg/m <sup>3</sup>
Industry	Dermal	Long Term	75	mg/kg/day
Industry	Inhalation.	Long Term	98	mg/m <sup>3</sup>
Consumer	Dermal	Short Term	44.5	mg/kg/day
Consumer	Inhalation.	Short Term	426	mg/m <sup>3</sup>
Consumer	Oral	Short Term	13.4	mg/kg/day
Consumer	Dermal	Long Term	38	mg/kg/day
Consumer	Oral	Long Term	3.2	mg/kg/day

PNEC

Freshwater			8.8	mg/l
Marinewater			8.8	mg/l
Sediment			8.14	mg/kg
Soil			2.8	mg/kg

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL

Industry	Inhalation.	Long Term	1	mg/m <sup>3</sup>
Industry	Inhalation.	Short Term	1	mg/m <sup>3</sup>
Consumer	Inhalation.	Long Term	1	mg/m <sup>3</sup>

ALANINE, N,N-BIS(CARBOXYMETHYL)-, TRISODIUM SALT (CAS: 164462-16-2)

DNEL

Industry	Inhalation.	Short Term	40	mg/m <sup>3</sup>
Industry	Inhalation.	Long Term	40	mg/m <sup>3</sup>

PNEC

Freshwater			2	mg/l
Marinewater			0.2	mg/l
Sediment			24	mg/kg
STP			100	mg/l
Soil			2.5	mg/kg

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Protective equipment



Engineering measures

Provide corrosion-resistant local exhaust ventilation.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Protective gloves must be used if there is a risk of direct contact or splash.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact. Use face shield in case of splash risk.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station and safety shower.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated.

Skin protection

Wear apron or protective clothing in case of splashes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Liquid
Colour	Yellowish
Odour	Detergent.
Solubility	Miscible with water
Relative density	1.090 @ 20 °c
pH-Value, Conc. Solution	13.0
pH-Value, Diluted Solution	12.5 @ 1 - 2 %

## 10. STABILITY AND REACTIVITY

Reactivity

The solution is strongly alkaline and reacts with strong acids with heat generation.

Chemical stability

No particular stability concerns.

Possibility of hazardous reactions

Conditions to avoid

The solution is strongly alkaline and reacts with strong acids with heat generation. May attack light-alloy metals and liberate hydrogen gas.

Incompatible materials

Materials To Avoid

Strong acids. Strong oxidising substances.

Hazardous decomposition products

None under normal conditions. In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

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### 11. TOXICOLOGICAL INFORMATION

Toxicological information	No information available.
Inhalation	Vapour may irritate respiratory system or lungs.
Ingestion	Causes burns. May cause burns in mucous membranes, throat, oesophagus and stomach. Swallowing concentrated chemical may cause severe internal injury.
Skin contact	Causes burns. May cause serious chemical burns to the skin. Contact with concentrated chemical may cause severe skin damage.
Eye contact	Causes burns. May cause chemical eye burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

### 12. ECOLOGICAL INFORMATION

Toxicity	Ecotoxicity not regarded as dangerous for the environment
Acute Fish Toxicity	Not considered toxic to fish.
Persistence and degradability	
Degradability	The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Bioaccumulative potential	
Bioaccumulative potential	No data available on bioaccumulation.
Mobility in soil	
Mobility:	The product is soluble in water.
Results of PBT and vPvB assessment	This product does not contain any PBT or vPvB substances.
Other adverse effects	

### 13. DISPOSAL CONSIDERATIONS

Dispose of waste and residues in accordance with local authority requirements. Contact specialist disposal companies.

### 14. TRANSPORT INFORMATION

UN No. (ADR/RID/ADN) 1719	
UN No. (IMDG) 1719	
UN proper shipping name	Proper Shipping Name Caustic Alkali Liquid, n.o.s. (contains Sodium Hydroxide)
Transport hazard class(es)	
ADR/RID/ADN Class	Class 8: Corrosive substances.
IMDG Class	8
Transport Labels	



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CORROSIVE	8
Packing group	
ADR/RID/ADN Packing group	II
IMDG Packing group	II
Environmental hazards	
Special precautions for user	
EMS	F-A, S-B
Emergency Action Code	2R
Hazard No. (ADR)	80 Corrosive or slightly corrosive substance.
Tunnel Restriction Code	(E)
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	

### 15. REGULATORY INFORMATION

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

Statutory Instruments

Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716), Control of Substances Hazardous to Health Regulations 2002 (as amended), The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 ("CDG 2009"), SI 2009 No 1348

Chemical Safety Assessment

No chemical safety assessment has been carried out.

### 16. OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

ADR: European Agreement concerning the International Carriage of dangerous Goods by Road.

IMDG: International Maritime Code for Dangerous Goods.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

EINECS: European Inventory of Existing Commercial Chemical Substances.

CAS: Chemical Abstract Service.

DNEL: Derived No-Effect Level.

PNEC: Predicted No-Effect Concentration.

LD50: Lethal dose, 50 percent.

LC50: Lethal concentration, 50 percent. WEL: Workplace Exposure Limit.

STEL: Short Term Exposure Limit.

TWA: Time Weighted Average.

PBT: Persistent Bioaccumulative Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

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### General information

For further information or advice contact our technical service line during regular office hours on 0121-525-4000.

This safety data sheet has been compiled for the product as supplied, properties and hazards will vary if the product is diluted with water or mixed with any other material.

### Revision Comments

The information contained herein is based on known available data believed to be reliable but does not constitute the users own assessment of the work place risk as required by other Health and Safety Legislation.

### Risk Phrases In Full

R34 Causes burns.

R35 Causes severe burns.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R22 Harmful if swallowed.

R36/38 Irritating to eyes and skin.

R36 Irritating to eyes.

R41 Risk of serious damage to eyes.

### Hazard Statements In Full

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H332 Harmful if inhaled.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H290 May be corrosive to metals.