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## SAFETY DATA SHEET

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

- Product Name: EcoChemPro

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

- Use of the substance/mixture: Cleaning agent; Degreasing agent; For professional use only.
- Use advised against: No information available

#### 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: EcoChemPro (UK) Limited
- Address of Supplier: Unit 2 AG Business Estate  
Lowman Way  
Hilton  
Derby  
DE65 5UA  
UK
- Telephone: 00 44 (0) 800 254 5077
- Email: info@ecochempro.com
- Website: www.ecochempro.com

#### 1.4 Emergency telephone number

- Emergency Telephone: 00 44 (0) 800 254 5077
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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not classified
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

#### 2.2 Label elements

- Hazard pictograms: None
- Signal Word: None
- Hazard statements  
None
- Precautionary statements  
None
- Supplemental Hazard information (EU)  
EUH210 - Safety data sheet available on request.

#### 2.3 Other hazards

- Not a PBT according to REACH Annex XIII
  - Not a vPvB according to REACH Annex XIII
  - Does not contain any substances with endocrine disrupting properties
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### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

- Not applicable
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## SECTION 3: Composition/information on ingredients (....)

### 3.2 Mixtures

- Contains the following hazardous ingredients or ingredients with a workplace exposure limit:

Chemical Name	Conc.	CAS No.	EC No.	Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]	SCL/ M-Factor/ ATE	REACH Registration Number	WEL/ OEL
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	< 1%	308062-28-4, 1643-20-5, 308062-30-8 (related CAS numbers)	931-292-6	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	M = 1	01-2119490061-47-XXXX	No
Glutaral; glutaraldehyde; 1,5-pentanedial	< 0.01%	111-30-8	203-856-5	Acute Tox. 3, H301 Skin Corr. 1B, H314 Skin Sens. 1A, H317 Acute Tox. 2, H330 Resp Sens. 1, H334 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 EUH071	STOT SE 3 H335: 0.5 % ≤ C < 5 %  M = 1	01-2119455549-26-XXXX	Yes

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Contact with eyes
  - If substance has got into eyes, immediately wash out with plenty of water for several minutes
  - Remove contact lenses, if present and easy to do. Continue rinsing.
  - Irrigate eyes thoroughly whilst lifting eyelids
  - If eye irritation persists: Get medical advice/attention.
- Contact with skin
  - Wash affected area with plenty of soap and water
  - Take off contaminated clothing and wash it before reuse.
  - If skin irritation or rash occurs: Get medical advice/attention.
- Ingestion
  - Rinse mouth with water (do not swallow)
  - Do NOT induce vomiting.
  - Never make an unconscious person vomit or drink fluids
  - Get medical advice/attention if you feel unwell.
- Inhalation
  - If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
  - IF exposed or concerned: Call a doctor.

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

- Contact with eyes
  - May cause redness and irritation
- Contact with skin
  - May cause redness and irritation
- Ingestion
  - The ingestion of significant quantities may cause nausea/vomiting
  - The ingestion of significant quantities may cause diarrhoea

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**SECTION 4: First aid measures (....)**

- Inhalation  
In cases of severe exposure, irritation of the respiratory tract may develop

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

- Treat symptomatically
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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

- Suitable extinguishing media: Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Unsuitable extinguishing media: High volume water jet

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

- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include carbon oxides

**5.3 Advice for firefighters**

- In case of fire: Stop leak if safe to do so.
  - Keep container(s) exposed to fire cool, by spraying with water
  - Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
  - Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
- 

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

- Rescuers should take suitable precautions to avoid becoming casualties themselves
- Only trained and authorised personnel should carry out emergency response
- Personal precautions for non-emergency personnel: Do not touch or walk through spilt material; Avoid breathing vapours, mist or gas; Avoid contact with skin and eyes; Wear protective clothing as per section 8; Wash thoroughly after dealing with spillage
- Personal precautions for emergency responders: Wear chemical protection suit; Wear self-contained breathing apparatus (SCBA)

**6.2 Environmental precautions**

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses

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

- Stop leak if safe to do so.
- Small spills  
Wipe up spillage with damp absorbent cloth or towel  
Wash affected area with plenty of water
- Large spills  
Contain the spillage using bunding  
Absorb spillage in inert material and shovel up  
Place in appropriate container  
Seal containers and label them  
Remove contaminated material to safe location for subsequent disposal  
Ventilate the area and wash spill site after material pick-up is complete

**6.4 Reference to other sections**

- See section(s): 7, 8 & 13
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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Ensure adequate ventilation
- Avoid breathing vapours, mist or gas
- Do not get in eyes, on skin, or on clothing.
- Wear protective clothing as per section 8
- Contaminated clothing should be laundered before reuse
- Do not eat, drink or smoke when using this product.
- Keep away from oxidisers, heat, flames or ignition sources
- Ensure eyewash stations and safety showers are nearby

### 7.2 Conditions for safe storage, including any incompatibilities

- Store in a cool, dry well-ventilated place. Keep container tightly closed.
- Keep only in original packaging.
- Keep out of reach of children
- Keep away from food, drink and animal feedingstuffs
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Incompatible with strong acids
- Incompatible with alkalis (strong bases)
- Incompatible with strong oxidizing substances

### 7.3 Specific end use(s)

- Cleaning agent

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.  
Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace exposure - Measurement of exposure by inhalation to chemical agents - Strategy for testing compliance with occupational exposure limit values). European Standard EN 14042 (Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents). European Standard EN 482 (Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents). Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
- Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides  
 DNEL (inhalational) 6.2 mg/m<sup>3</sup> Industry, Long Term, Systemic Effects  
 DNEL (dermal) 11 mg/kg (bw/day) Industry, Long Term, Systemic Effects  
 DNEL (inhalational) 1.53 mg/m<sup>3</sup> Consumer, Long Term, Systemic Effects  
 DNEL (dermal) 5.5 mg/kg (bw/day) Consumer, Long Term, Systemic Effects  
 DNEL (oral) 440 µg/kg (bw/day) Consumer, Long Term, Systemic Effects  
 PNEC aqua (freshwater) 33.5 µg/L  
 PNEC aqua (intermittent releases, freshwater) 33.5 µg/L  
 PNEC aqua (marine water) 3.35 µg/L  
 PNEC (STP) 24 mg/L  
 PNEC sediment (freshwater) 5.24 mg/kg  
 PNEC sediment (marine water) 524 µg/kg  
 PNEC terrestrial (soil) 1.02 mg/kg  
 PNEC secondary poisoning (food) 11.1 mg/kg
- Glutaral; glutaraldehyde; 1,5-pentanedial  
 WEL (long term) 0.05 ppm 0.2 mg/m<sup>3</sup> (UK, sen. (capable of causing occupational asthma)  
 WEL (short term) 0.05 ppm 0.2 mg/m<sup>3</sup> (UK, sen. (capable of causing occupational asthma)  
 DNEL (inhalational) 210 µg/m<sup>3</sup> Industry, Long Term, Local Effects

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## SECTION 8: Exposure controls/personal protection (....)

DNEL (inhalational) 420 µg/m<sup>3</sup> Industry, Acute/Short Term, Local Effects  
 DNEL (dermal) 6.25 mg/kg (bw/day) Industry, Long Term, Systemic Effects  
 DNEL (oral) 70 µg/kg (bw/day) Consumer, Long Term, Systemic Effects  
 PNEC aqua (freshwater) 2.5 µg/L  
 PNEC aqua (intermittent releases, freshwater) 6 µg/L  
 PNEC aqua (marine water) 250 ng/L  
 PNEC (STP) 800 µg/L  
 PNEC sediment (freshwater) 91 µg/kg  
 PNEC sediment (marine water) 9 µg/kg  
 PNEC terrestrial (soil) 210 µg/kg

### 8.2 Exposure controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
- Engineering controls
  - Ensure adequate ventilation
  - Use local exhaust ventilation and/or enclosures.
- Respiratory protection
  - No respiratory protection is needed during normal handling
  - In case of insufficient ventilation, wear suitable respiratory equipment
- Skin protection
  - Wear suitable protective clothing
  - Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
  - The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
  - Butyl rubber or nitrile rubber are recommended
- Eye/face protection
  - If there is a risk of product getting into eyes, wear safety glasses approved to standard EN 166.
- Hygiene measures
  - Use good personal hygiene practices
  - Wash thoroughly after handling.
  - Contaminated clothing should be laundered before reuse
- Environmental exposure controls
  - Do not allow to enter public sewers and watercourses
  - Do not allow to penetrate the ground/soil.



## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Clear and colourless
- Odour: No information available
- Melting point/freezing point: No information available
- Boiling point or initial boiling point and boiling range: No information available
- Flammability: Not flammable
- Lower and upper explosion limit: Not applicable
- Flash point: Not applicable

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**SECTION 9: Physical and chemical properties (....)**

- Auto-ignition temperature: No information available
- Decomposition temperature: No information available
- pH: 6.5 - 8.0 (as supplied)
- Kinematic viscosity: No information available
- Solubility: Soluble in water
- Partition coefficient n-octanol/water (log value): No information available
- Vapour pressure: No information available
- Density and/or relative density: 0.996 - 1.010 g/cm<sup>3</sup> (20 °C)
- Relative vapour density: No information available
- Particle characteristics: Not applicable

## 9.2 Other information

- No information available
- 

**SECTION 10: Stability and reactivity**

## 10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

## 10.2 Chemical stability

- Considered stable under normal conditions

## 10.3 Possibility of hazardous reactions

- Hazardous polymerisation will not occur under normal conditions of storage and use

## 10.4 Conditions to avoid

- Keep away from heat and sources of ignition
- Avoid extremes of temperature

## 10.5 Incompatible materials

- Incompatible with strong acids
- Incompatible with alkalis (strong bases)
- Incompatible with strong oxidizing substances

## 10.6 Hazardous decomposition products

- Decomposition products may include carbon oxides
- 

**SECTION 11: Toxicological information**

## 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

- Acute Toxicity  
Based on the available data, the classification criteria are not met

## Substances

Chemical Name	LD <sub>50</sub> (oral, rat)	LC <sub>50</sub> (inhalation, rat)	LD <sub>50</sub> (dermal, rabbit)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	1 064 - 3 800 mg/kg	No data available	2 000 mg/kg (rat)
Glutaral; glutaraldehyde; 1,5-pentanedial	154 - 246 mg/kg	(4 h) 280 - 390 mg/m <sup>3</sup>	2 000 mg/kg

- Skin corrosion/irritation  
Based on available data, the classification criteria are not met
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**SECTION 11: Toxicological information (....)**

- Serious eye damage/irritation  
Based on available data, the classification criteria are not met
- Respiratory or skin sensitisation  
Based on available data, the classification criteria are not met
- Germ cell mutagenicity  
No evidence of mutagenic effects
- Carcinogenicity  
No evidence of carcinogenic effects
- Reproductive toxicity  
No evidence of reproductive effects

## Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	37 mg/kg bw/day (Effect on fertility) 25 mg/kg bw/day (Effect on developmental toxicity)	No data available	No data available

- Specific target organ toxicity (STOT) - single exposure  
Based on the available data, the classification criteria are not met
- Specific target organ toxicity (STOT) - repeated exposure  
Based on the available data, the classification criteria are not met

## Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	88 mg/kg bw/day	No data available	LOAEL 45 µg/cm <sup>2</sup> (mouse)
Glutaral; glutaraldehyde; 1,5-pentanedial	15 mg/kg bw/day	(mouse) 250 - 500 µg/m <sup>3</sup>	150 mg/kg bw/day

- Aspiration hazard  
Based on the available data, the classification criteria are not met
- Contact with eyes  
May cause redness and irritation
- Contact with skin  
May cause redness and irritation
- Ingestion  
The ingestion of significant quantities may cause nausea/vomiting  
The ingestion of significant quantities may cause diarrhoea
- Inhalation  
In cases of severe exposure, irritation of the respiratory tract may develop

## 11.2 Information on other hazards

- Does not contain any substances with endocrine disrupting properties

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**SECTION 12: Ecological information**

## 12.1 Toxicity

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**SECTION 12: Ecological information (....)**

- Based on available data, the classification criteria are not met

## Substances

Chemical Name	LC <sub>50</sub> (fish)	EC <sub>50</sub> (aquatic invertebrates)	EC <sub>50</sub> (aquatic algae)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	(4 days) 2.67 - 3.46 mg/L	(48 h) 3.1 - 10.4 mg/L	(72 h) 205 - 266 µg/L
Glutaral; glutaraldehyde; 1,5-pentanedial	(4 days) 800 - 39 000 µg/L	(48 h) 2.1 - 29.73 mg/L	(72 h) 375 - 1 200 µg/L

## 12.2 Persistence and 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.

## 12.3 Bioaccumulative potential

- Bioaccumulation is not expected

## 12.4 Mobility in soil

- No information available

## 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

## 12.6 Endocrine disrupting properties

- No information available

## 12.7 Other adverse effects

- No information available

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**SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

- Do not discharge untreated concentrate into drains
- Disposal should be in accordance with local, state or national legislation
- This material and/or its container must be disposed of as hazardous waste
- Do not reuse empty containers without commercial cleaning or reconditioning

## 13.2 Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
- Hazardous Property Code(s): None assigned

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**SECTION 14: Transport information**

Not classified as hazardous for transport

## 14.1 UN number or ID number

- UN No.: Not applicable

## 14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

## 14.3 Transport hazard class(es)

- Hazard Class: Not applicable



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**SECTION 14: Transport information (....)**

## 14.4 Packing group

- Packing Group: Not applicable

## 14.5 Environmental hazards

- Not classified as hazardous for transport

## 14.6 Special precautions for user

- No information available

## 14.7 Maritime transport in bulk according to IMO instruments

- Not applicable

## 14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

## 14.9 Sea (IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable

## 14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO UN No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

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**SECTION 15: Regulatory information**

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

- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 (as amended by Regulation (EU) 2020/878) and UK REACH
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe
- The GB Classification, Labelling and Packaging Regulation (GB CLP) applies in Great Britain
- Label requirements for the Detergents Regulation (EC 684/2004, 907/2006): Not required as not for sale to the general public

## 15.2 Chemical safety assessment

- A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

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**SECTION 16: Other information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

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**SECTION 16: Other information (....)**

Sources of data: Information from supplier safety data sheets and ECHA databases

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

- Based on available data, the classification criteria are not met

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- EUH071: Corrosive to the respiratory tract
- H301: Toxic if swallowed
- H302: Harmful if swallowed
- H314: Causes severe skin burns and eye damage
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H318: Causes serious eye damage
- H319: Causes serious eye irritation.
- H330: Fatal if inhaled.
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335: May cause respiratory irritation
- H400: Very toxic to aquatic life
- H411: Toxic to aquatic life with long lasting effects
- EUH071: Corrosive to the respiratory tract

**Acronyms**

- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstracts Service
- DNEL: Derived No-Effect Level
- EC: European Community
- EC<sub>50</sub>: Effective Concentration, 50%
- GHS: Globally Harmonised System
- LC<sub>50</sub>: Lethal Concentration, 50%
- LD<sub>50</sub>: Lethal Dose, 50%
- LOAEL: Lowest Observed Adverse Effect Level
- NOAEC: No observed adverse effect concentration
- NOAEL: No observed adverse effect level
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- SCL: Specific Concentration Limit
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

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--- end of safety datasheet ---

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