

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

### 1.1 Product identifier:

**ENVIROCHEM AG**

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

/

Concentration in use: /

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

#### **SPECHIM s.a.**

Place Capouillet, 35

1410 Waterloo

Phone: 023549537 — Fax: 023540495

E-mail: [info@spechim.be](mailto:info@spechim.be) — Website: <http://www.spechim.be/>

### 1.4 Emergency telephone number:

003270245245

## 2 SECTION 2: Hazards identification:

### 2.1 Classification of the substance or mixture:

Classification of the substance or mixture in accordance with regulation (EU) 1272/2008:

**H317 Skin Sens. 1 H318 Eye Dam. 1 H341 Muta. 2**

Classification of the substance or mixture in accordance with regulation 67/548/EC:

**R36: Irritant R43: Irritant R52/53 R68: Harmful**

### 2.2 Label elements:

Symbols:



Signal word:

Danger

Hazard statements:

**H317 Skin Sens. 1:** May cause an allergic skin reaction.  
**H318 Eye Dam. 1:** Causes severe skin burns and eye damage.  
**H341 Muta. 2:** Suspected of causing genetic defects.

Precautionary statements:

**P201:** Obtain special instructions before use.  
**P280:** Wear protective gloves/protective clothing/eye protection/face protection.  
**P302+P352:** IF ON SKIN: Wash with plenty of soap and water.  
**P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P308+P313:** IF exposed or concerned: Get medical advice/attention.  
**P362+P364:** Take off contaminated clothing and wash it before reuse.

Contains:

Glyoxal Zinc sulphate Fattyalcohol C10 -14, ethoxylated

### 2.3 Other hazards:

none

## 3 SECTION 3: Composition/information on ingredients:

Copper sulphate	< 5%	CAS number: 7758-98-7 EINECS: 231-847-6 REACH Registration number: 01-2119520566-40 CLP Classification: <b>H302 Acute tox. 4</b> <b>H315 Skin Irrit. 2</b> <b>H319 Eye Irrit. 2</b> <b>H400 Aquatic Acute 1</b> <b>H410 Aquatic Chronic 1</b> R-Phrases: <b>R22 R36/38 R50/53</b>
Zinc sulphate	< 5%	CAS number: 7733-02-0 EINECS: 231-793-3 REACH Registration number: CLP Classification: <b>H302 Acute tox. 4</b> <b>H318 Eye Dam. 1</b> <b>H400 Aquatic Acute 1</b> <b>H410 Aquatic Chronic 1</b> R-Phrases: <b>R22 R41 R50/53</b>
Fattyalcohol C10 -14, ethoxylated	5% - 15%	CAS number: 68439-45-2 EINECS: REACH Registration number: CLP Classification: <b>H302 Acute tox. 4</b> <b>H318 Eye Dam. 1</b> R-Phrases: <b>R22 R41</b>

Glyoxal	5% - 15%	CAS number: 107-22-2 EINECS: 203-474-9 REACH Registration number: 01-2119461733-37 CLP Classification: <b>H315 Skin Irrit. 2</b> <b>H317 Skin Sens. 1</b> <b>H319 Eye Irrit. 2</b> <b>H332 Acute tox. 4</b> <b>H341 Muta. 2</b> R-Phrases: <b>R20 R36/38 R43</b> <b>R68</b>
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For the full text of the H & R phrases mentioned in this section, see section 16.

## 4 SECTION 4: First aid measures:

### 4.1 Description of first aid measures:

Always ask medical advice as soon as possible should serious or continuous disturbances occur.

<b>Skin contact:</b>	remove contaminated clothing, rinse skin with plenty of water and immediately transport to hospital.
<b>Eye contact:</b>	first prolonged rinsing with water (contact lenses to be removed if this is easily done) then take to physician.
<b>Ingestion:</b>	rinse mouth, do not induce vomiting, take to hospital immediately.
<b>Inhalation:</b>	let sit upright, fresh air, rest and take to hospital.

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

<b>Skin contact:</b>	caustic, redness, pain, serious burns
<b>Eye contact:</b>	caustic, redness, bad looking, pain
<b>Ingestion:</b>	caustic, lack of breath, vomiting, blisters on lips and tongue, burning pain in mouth and throat, gullet and stomach
<b>Inhalation:</b>	headache, dizziness, nausea, drowsiness, unconsciousness

### 4.3 Indication of any immediate medical attention and special treatment needed:

none

## 5 SECTION 5: Fire-fighting measures:

### 5.1 Extinguishing media:

CO2, foam, powder, sprayed water

### 5.2 Special hazards arising from the substance or mixture:

none

### 5.3 Advice for fire-fighters:

**Extinguishing agents to be avoided:** none

## 6 SECTION 6: Accidental release measures:

### 6.1 Personal precautions, protective equipment and emergency procedures:

Do not walk into or touch spilled substances and avoid inhalation of fumes, smoke, dusts and vapours by staying up wind. Remove any contaminated clothing and used contaminated protective equipment and dispose of it safely.

### 6.2 Environmental precautions:

do not allow to flow into sewers or open water.

### 6.3 Methods and material for containment and cleaning up:

remove by using absorbent material.

### 6.4 Reference to other sections:

for further information check sections 8 & 13.

## 7 SECTION 7: Handling and storage:

### 7.1 Precautions for safe handling:

handle with care to avoid spillage.

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

keep in a sealed container in a closed, frost-free, ventilated room.

### 7.3 Specific end use(s):

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## 8 SECTION 8: Exposure controls/personal protection:

### 8.1 Control parameters:

Listing of the hazardous ingredients in section 3, of which the TLV value is known

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### 8.2 Exposure controls:

<b>Inhalation protection:</b>	use with sufficient exhaust ventilation. If necessary, use an air-purifying face mask in case of respiratory hazards. Use the ABEK type as protection against these troublesome levels.	
<b>Skin protection:</b>	handling with Viton-gloves (EN 374). Breakthrough time: >480' Material thickness: 0,7 mm. Thoroughly check gloves before use. Take off the gloves properly without touching the outside with your bare hands. The manufacturer of the protective gloves has to be consulted about the suitability for a specific work station. Wash and dry your hands.	
<b>Eye protection:</b>	keep an eye-rinse bottle within reach. Tight-fitting safety goggles. Wear a face shield and protective suit in case of exceptional processing problems.	
<b>Other protection:</b>	impermeable clothing. The type of protective equipment depends on the concentration and amount of hazardous substances at the work station in question.	

## 9 SECTION 9: Physical and chemical properties:

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

<b>Melting point/melting range:</b>	0 °C
<b>Boiling point/Boiling range:</b>	100 °C
<b>pH:</b>	3.3
<b>pH 1% diluted in water:</b>	/
<b>Vapour pressure/20°C,:</b>	2 332 Pa
<b>Vapour density:</b>	not applicable
<b>Relative density, 20°C:</b>	1.100 kg/l
<b>Appearance/20°C:</b>	liquid
<b>Flash point:</b>	/
<b>Flammability (solid, gas):</b>	not applicable
<b>Auto-ignition temperature:</b>	/
<b>Upper flammability or explosive limit, (Vol %):</b>	/
<b>Lower flammability or explosive limit, (Vol %):</b>	/
<b>Explosive properties:</b>	not applicable
<b>Oxidising properties:</b>	not applicable
<b>Decomposition temperature:</b>	/
<b>Solubility in water:</b>	completely soluble
<b>Partition coefficient: n-octanol/water:</b>	not applicable
<b>Odour:</b>	characteristic
<b>Odour threshold:</b>	not applicable
<b>Dynamic viscosity, 20°C:</b>	1 mPa.s
<b>Kinematic viscosity, 20°C:</b>	1 mm <sup>2</sup> /s
<b>Evaporation rate (n-BuAc = 1):</b>	0.300

### 9.2 Other information:

<b>Volatile organic component (VOC):</b>	8.00 %
<b>Volatile organic component (VOC):</b>	85.360 g/l

## 10 SECTION 10: Stability and reactivity:

### 10.1 Reactivity:

stable under normal conditions.

### 10.2 Chemical stability:

extremely high or low temperatures.

### 10.3 Possibility of hazardous reactions:

none

### 10.4 Conditions to avoid:

protect from sunlight and do not expose to temperatures exceeding + 50°C.

### 10.5 Incompatible materials:

acids, alkalines, oxidants, reductants

## 10.6 Hazardous decomposition products:

doesn't decompose with normal use

## 11 SECTION 11: Toxicological information:

### 11.1 Information on toxicological effects:

<b>About the preparation itself:</b>	No data available
<b>General information:</b>	See ingredients under section 3
<b>Calculated acute toxicity, LD50 oral rat:</b>	/
<b>Calculated acute toxicity, LD50 dermal rat:</b>	/

## 12 SECTION 12: Ecological information:

### 12.1 Toxicity:

No data available

### 12.2 Persistence and degradability:

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

### 12.3 Bioaccumulative potential:

No data available

### 12.4 Mobility in soil:

<b>Water hazard class, WGK:</b>	2
<b>Solubility in water:</b>	completely soluble

### 12.5 Results of PBT and vPvB assessment:

No data available

### 12.6 Other adverse effects:

No data available

## 13 SECTION 13: Disposal considerations:

### 13.1 Waste treatment methods:

Draining into the sewers is not permitted. Removal should be carried out by licensed services. Possible restrictive regulations by local authority should always be adhered to.

## 14 SECTION 14: Transport information:

### 14.1 UN number:

not applicable

#### 14.2 UN proper shipping name:

ADR, IMDG, ICAO/IATA not applicable

#### 14.3 Transport hazard class(es):

**Class(es):** not applicable

**Identification number of the hazard:** not applicable

#### 14.4 Packing group:

not applicable

#### 14.5 Environmental hazards:

not dangerous to the environment

#### 14.6 Special precautions for user:

**Hazard characteristics:** not applicable

**Additional guidance:** not applicable

## 15 SECTION 15: Regulatory information:

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

**Water hazard class, WGK:** 2

**Volatile organic component (VOC):** 8.000 %

**Volatile organic component (VOC):** 85.360 g/l

**Composition by regulation (EC 648/2004):** Disinfectants 5% - 15%, Anionic surfactants 5% - 15%, Nonionic surfactants 5% - 15%, Perfumes

#### 15.2 Chemical Safety Assessment:

No data available

## 16 SECTION 16: Other information:

#### Legend to abbreviations used in the safety data sheet:

<b>Nr.:</b>	number
<b>CAS:</b>	Chemical Abstracts Service
<b>EINECS:</b>	European INventory of Existing Commercial chemical Substances
<b>WGK:</b>	Water hazard class
<b>WGK 1:</b>	slightly hazardous for water
<b>WGK 2:</b>	hazardous for water
<b>WGK3:</b>	extremely hazardous for water
<b>ADR:</b>	Accord européen relatif au transport international des marchandises Dangereuses par Route
<b>TLV:</b>	Threshold Limit Value
<b>PTB:</b>	persistent, toxic, bioaccumulative
<b>vPvB:</b>	very persistent and very bioaccumulative substances

**CLP:** Classification, Labelling and Packaging of chemicals  
**DPD:** Dangerous Preparations Directive

**Legend to the R & H Phrases used in the safety data sheet:**

**R20:** Harmful by inhalation. **R22:** Harmful if swallowed. **R36:** Irritating to eyes. **R36/38:** Irritating to eyes and skin. **R41:** Risk of serious damage to eyes. **R43:** May cause sensitisation by skin contact. **R50/53:** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. **R52/53:** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. **R68:** Possible risk of irreversible effects.

**H302 Acute tox. 4:** Harmful if swallowed. **H315 Skin Irrit. 2:** Causes skin irritation. **H317 Skin Sens. 1:** May cause an allergic skin reaction. **H318 Eye Dam. 1:** Causes severe skin burns and eye damage. **H319 Eye Irrit. 2:** Causes serious eye irritation. **H332 Acute tox. 4:** Harmful if inhaled. **H341 Muta. 2:** Suspected of causing genetic defects. **H400 Aquatic Acute 1:** Very toxic to aquatic life. **H410 Aquatic Chronic 1:** Very toxic to aquatic life with long lasting effects.

**Reason of revision, changes of following items:**

Section: 2.2

**MSDS reference number:**

ECM-107171,00

*This safety information sheet has been compiled in accordance with annex II/A of the regulation (EU) No 453/2010. Classification has been calculated in accordance with the European directive 67/548/EWG, 1999/45/EC and regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care. We cannot, however, accept responsibility for damage, of any kind, that may be caused by using these data or the product concerned. To use this preparation for an experiment or a new application, the user must carry out a material suitability and safety study himself.*