



SAFETY DATA SHEET

Page : 1

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ENVIRO-CHEM CX (+)**PI190149**

Xi : Irritant

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

1.1. Product identifier

Identification of the product : Liquid.
Trade name : ENVIRO-CHEM CX (+)

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

Use : Industrial.
For professional use only.

Sector of use category : SU3: Industrial uses: Uses of substances as such or in preparations* at industrial sites
SU22: Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Article Category : AC30: Other articles with intended release of substances, please specify

Chemical product category : PC3: Air care products
PC20: Products such as ph-regulators, flocculants, precipitants, neutralization agents
PC37: Water treatment chemicals

Process category : PROC7: Industrial spraying
PROC8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
PROC8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
PROC11: Non industrial spraying
PROC19: Hand-mixing with intimate contact and only PPE available

Environmental release category : ERC8a: Wide dispersive indoor use of processing aids in open systems
ERC8b: Wide dispersive indoor use of reactive substances in open systems
ERC8d: Wide dispersive outdoor use of processing aids in open systems
ERC9a: Wide dispersive indoor use of substances in closed systems
ERC9b: Wide dispersive outdoor use of substances in closed systems

1.3. Details of the supplier of the safety data sheet

Company identification : SPECHIM S.A.
Place Capouillet 35
BE-1410 Waterloo Belgique-Belgie
Tel : 00 32 (02) 354 95 37
info@spechim.be

1.4. Emergency telephone number

Emergency phone nr : Tel : 00 32 (0)70 245 245

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

: Xi; R36
R52-53

2.2. Label elements

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SAFETY DATA SHEET

Page : 2

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ENVIRO-CHEM CX (+)**PI190149**

SECTION 2 Hazards identification (continued)

Labelling EC 67/548 or EC 1999/45

• Symbol(s)



: Xi : Irritant

• R Phrase(s)

: R36 : Irritating to eyes.

R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• S Phrase(s)

: S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S35 : This material and its container must be disposed of in a safe way.

S51 : Use only in well-ventilated areas.

S59 : Refer to manufacturer/supplier for information on recovery/recycling.

S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.

2.3. Other hazards

None under normal conditions.

SECTION 3 Composition/information on ingredients

3.1. Substance / 3.2. Preparation

Preparation.

Components

: This product is hazardous.

Substance name	Contents	CAS No	EC No	Index No	REACH	Classification
Copper sulfate pentahydrate	: Between 1 and 5 %	7758-99-8	231-847-6	----	----	Xn; R22 Xi; R36/38 N; R50-53 ----- Acute Tox. 4 (H302) Eye irrit 2 (H319) Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Fatty alcohol EO/PO	: Between 1 and 10 %	68439-45-2	POLYMER	----	----	Xn; R22 Xi; R41 ----- Eye Dam 1 (H318) Acute Tox. 4 (H302)
Benzaldehyde	: Between 1 and 5 %	100-52-7	202-860-4	605-012-00-5	----	Xn; R22 ----- Acute Tox. 4 (H302)

SECTION 4 First aid measures

4.1. Description of first aid measures

First aid measures

- Inhalation

: Assure fresh air breathing.

- Skin contact

: Rinse immediately with plenty of water.
Seek medical attention if ill effect develops.

- Eye contact

: Rinse immediately with plenty of water.
Seek medical attention if ill effect develops.

- Ingestion

: Rinse mouth. Do not induce vomiting.
Seek medical advice.

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

Inhalation

: No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of inhalation exposure.

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SAFETY DATA SHEET

Page : 3

Revised edition no : 0

Date : 9 / 5 / 2012

Supersedes : 0 / 0 / 0

ENVIRO-CHEM CX (+)**PI190149**

SECTION 4 First aid measures (continued)

Skin contact : Prolonged or repeated contact may cause skin to become dry or cracked.
Eye contact : Redness, pain. Tears.
Ingestion : Abdominal pain, nausea.

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

No data available.

SECTION 5 Firefighting measures

5.1. Extinguishing media

Use water spray/fog for cooling.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for fire-fighters

Flammable class : Not flammable.
Surrounding fires : All known extinguishants can be used.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear recommended personal protective equipment.

6.2. Environmental precautions

Prevent entry to sewers and public waters. May contaminate water supplies.
Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers. Flush residue with large amounts of water.

6.4. Reference to other sections

See Heading 8.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety procedures.
Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Store in dry, cool, well-ventilated area.
Keep container closed when not in use.

7.3. Specific end use(s)

Not applicable.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Listed.

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SAFETY DATA SHEET

Page : 4

Revised edition no : 0

Date : 9 / 5 / 2012

Supersedes : 0 / 0 / 0

ENVIRO-CHEM CX (+)**PI190149**

SECTION 8 Exposure controls/personal protection (continued)

8.2. Exposure controls

- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
- Hand protection : Wear gloves.
- Skin protection : Skin protection appropriate to the conditions of use should be provided.
- Eye protection : Safety glasses.

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

9.1.a • Appearance

Physical state at 20 °C : Liquid.

Colour : Blue.

9.1.b • Odour

Odour : Characteristic.

9.1.c • Odour threshold

No data available.

9.1.d • pH

pH value : à 10 % : 2.50 - 3.00

9.1.e • Melting point / Freezing point

No data available.

9.1.f • Initial boiling point - boiling range

No data available.

9.1.g • Flash point

Not applicable.

9.1.h • Evaporation rate

No data available.

9.1.i • Flammability

No data available.

9.1.j • Explosion limits (lower - upper)

Not applicable.

9.1.k • Vapour pressure

No data available.

9.1.l • Vapour density

No data available.

9.1.m • Relative density

Density : 1.055 - 1,065

9.1.n • Solubility

Solubility in water : Complete.

9.1.o • Partition coefficient : n-octanol / water

No data available.

9.1.p • Auto-ignition temperature

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SAFETY DATA SHEET

Page : 5

Revised edition no : 0

Date : 9 / 5 / 2012

Supersedes : 0 / 0 / 0

ENVIRO-CHEM CX (+)**PI190149**

SECTION 9 Physical and chemical properties (continued)

No data available.

9.1.g • Thermal decomposition

No data available.

9.1.r • Viscosity

No data available.

9.1.s • Explosive Properties

Not applicable.

9.1.t • Oxidising properties

No data available.

9.2. Other information

No data available.

SECTION 10 Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Oxidizing agent.

10.4. Conditions to avoid

Overheating.

Protect from freezing.

10.5. Incompatible materials

Sodium hypochlorite.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11 Toxicological information

11.1. Information on toxicological effects**Toxicity information** : No data available.**• Acute toxicity****Rat oral LD50 [mg/kg]** : No data available.**• Skin corrosion/irritation** : No data available.**• Serious eye damage/irritation** : Irritating to eyes.**• Respiratory or skin sensitisation** : No data available.**• Germ cell mutagenicity** : No data available.**• Carcinogenicity** : No data available.**• Reproductive toxicity** : No data available.**• STOT-single exposure** : No data available.**• STOT-repeated exposure** : No data available.**SPECHIM S.A.**

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SAFETY DATA SHEET

Page : 6

Revised edition no : 0

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Supersedes : 0 / 0 / 0

ENVIRO-CHEM CX (+)**PI190149**

SECTION 11 Toxicological information (continued)

• **Aspiration hazard** : No data available.

SECTION 12 Ecological information

12.1. Toxicity

No data available.

Ecological effects information : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

LC50-96 Hour - fish [mg/l] : No data available.

12.2. Persistence - degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 Disposal considerations

13.1. Waste treatment methods

General : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 Transport information

General information : Not classified.

SECTION 15 Regulatory information

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

Ensure all national/local regulations are observed.

15.2. Chemical Safety Assessment

No data available.

SECTION 16 Other information

List of relevant R phrases (heading 3) : R22 : Harmful if swallowed.
R36/38 : Irritating to eyes and skin.
R41 : Risk of serious damage to eyes.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

List of relevant H phrases (heading 3) : H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.

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SAFETY DATA SHEET

Page : 7

Revised edition no : 0

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Supersedes : 0 / 0 / 0

ENVIRO-CHEM CX (+)**PI190149****SECTION 16 Other information (continued)**

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

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Ensure all national/local regulations are observed.

Ensure operators understand the flammability hazard.

Contact with liquid may cause cold burns/frostbite.

The hazard of asphyxiation is often overlooked and must be stressed during operator training.

This Safety Data Sheet has been established in accordance with the applicable European Directives and applies to all countries that have translated the Directives in their national laws.

Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.

Details given in this document are believed to be correct at the time of going to press.

The contents and format of this SDS are in accordance with Regulation (EC) n°453/2010 of the European Parliament and of the Council.

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