

**Safety Data Sheet (according to Regulation EC 1907/2006)**  
**EC 3CTX Comp. A**  
**Safety Data Sheet dated : 17/8/2009, version 4**

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**1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY**

Trade name: EC 3CTX Comp. A  
Trade code: BE107401  
Supplier:  
EcoChem  
a brand of  
**Chemresult NV**  
Nijverheidsstraat 48d  
2260 Oevel, Belgium  
Phone +32-1457-8101  
Emergency telephone number of the company and/or of an authorised advisory centre:  
Phone +32-475 273 300 (Monday - Friday 08.30h - 17.30h)

Competent person responsible for the safety data sheet: sds@azelis.be

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**2. HAZARDS IDENTIFICATION**

Properties / Symbols:  
Xi Irritant  
R Phrases:  
R36 Irritating to eyes.  
R43 May cause sensitization by skin contact.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

5-10 % Diethylethylphosphonate  
CAS: 78-38-6 EC: 201-111-9  
Xn,Xi,N; R22-41-51-53

< 1 % methanol  
INDEX: 603-001-00-X CAS: 67-56-1 EC: 200-659-6  
F,T; R11-23/24/25-39/23/24/25

< 1 % formaldehyde  
INDEX: 605-001-00-5 CAS: 50-00-0 EC: 200-001-8  
Carc. Cat. 3,T,Xi,C; R43-40-34-23/24/25

< 0.5 % phenol  
INDEX: 604-001-00-2 CAS: 108-95-2 EC: 203-632-7  
Muta. Cat. 3,T,Xn,C; R23/24/25-34-48/20/21/22-68

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**4. FIRST AID MEASURES**

Contact with skin:  
Immediately take off all contaminated clothing.  
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes:  
Wash immediately and thoroughly with running water, keeping eyelids raised, for at least 10 minutes.  
Following this, protect the eyes with sterile gauze or a clean, dry, handkerchief. OBTAIN MEDICAL EXAMINATION.

Swallowing:  
SEEK MEDICAL EXAMINATION IMMEDIATELY and present the Safety Data Sheet.  
A suspension of activated charcoal in water, or liquid paraffin may be administered.

Inhalation:  
Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

#### **5. FIRE-FIGHTING MEASURES**

- Recommended extinguishers:  
Water, CO<sub>2</sub>, Foam, Chemical powders, according to the materials involved in the fire.
- Extinguishers not to be used:  
None in particular.
- Risks arising from combustion:  
If thermal decomposition occurs, vapours containing CO<sub>x</sub> may be released. Avoid inhaling the fumes.
- Protective equipment:  
Use protection for the respiratory tract.
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#### **6. ACCIDENTAL RELEASE MEASURES**

- Measures for personal safety (see also paragraph 8):  
Use a mask, gloves and protective clothing.
- Environmental measures:  
Limit leakages with earth or sand.  
If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.
- Cleaning methods (see also paragraph 13):  
Rapidly recover the product. To do so, wear a mask and protective clothing.  
If the product is a liquid form, stop it from entering the drainage system.  
Recover the product for reuse if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.  
After the product has been recovered, rinse the area and materials involved with water.
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#### **7. HANDLING AND STORAGE**

- Handling precautions:  
Avoid contact and inhalation of the vapours. See also paragraph 8 below.  
Do not eat, drink or smoke while working.
- Storage precautions:  
Incompatible materials:  
None in particular.
- Storage conditions:  
Store tightly closed in a dry place and well ventilated area  
Always keep the containers tightly closed.
- Instructions as regards to storage premises:  
Adequately ventilated premises.
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#### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Environmental exposure controls:  
Give adequate ventilation to the premises where the product is stored and/or handled.
- Personal protection:  
Respiratory protection:  
Use adequate protective respiratory equipment.
- Protection for hands:  
Use protective gloves that provide comprehensive protection, e.g. P.V.C., neoprene or rubber.
- Eye protection:  
Use close fitting safety goggles and/or visor
- Protection for skin:  
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
- Exposure limits of contained substances:
- methanol  
TLV-TWA: 200 ppm - 262,09 mg/m<sup>3</sup> Skin TLV-STEL: 250 ppm - 327,61 mg/m<sup>3</sup> Skin
  - formaldehyde  
TLV-TWA: A2 SEN TLV-STEL: C 0,3 ppm - C 0,37 mg/m<sup>3</sup>, A2 SEN
  - phenol  
VLE 8h: 7,8 mg/m<sup>3</sup> - 2 ppm TLV-TWA: 5 ppm, A4 - 19,25 mg/m<sup>3</sup>, A4 Skin TLV-STEL: A4 Skin

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and colour:	fluid
Odour:	characteristic of product
pH:	8,1 (20°C)
Boiling point:	100 °C
Flash point:	> 100 °C
Relative density:	1,28 g/cm3 +/- 0,02

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**10. STABILITY AND REACTIVITY**

Conditions to avoid:  
Stable under normal conditions.

Substances to avoid:  
None in particular.

Hazardous decomposition products:  
If thermal decomposition occurs, vapours containing COx may be released. Avoid inhaling the fumes.

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**11. TOXICOLOGICAL INFORMATION**

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

Set out below is the toxicological information relating to the main substances in the preparation.

Irritating to eyes.  
Sensitization possible by skin contact

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**12. ECOLOGICAL INFORMATION**

Use this product with care and do not dispose of it in the environment.

7% - 10% Diethyl etilfosfonato

CAS: 78-38-6 EC: 201-111-9

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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**13. DISPOSAL CONSIDERATIONS**

Recover if possible, comply with the local and national regulations currently in force.

This material and its container must be disposed of as hazardous waste.

Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

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**14. TRANSPORT INFORMATION**

This product is not submitted to transport regulations according to ADR/IMO/IATA.

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**15. REGULATORY INFORMATION**

EC Classification and user label information:

Symbols:

Xi Irritant

R Phrases:

R36 Irritating to eyes.

R43 May cause sensitization by skin contact.

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

S Phrases:

S23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

S24 Avoid contact with skin.

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

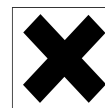
S37/39 Wear suitable gloves and eye/face protection.

S60 This material and its container must be disposed of as hazardous waste.

S7 Keep container tightly closed.

Contents:

formaldehyde



Xi

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Regulatory references:

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparations) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risks related to chemical agents). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH).

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE (Activities linked to risks of serious accidents).

Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that its activities comply with all federal, state, provincial or local laws

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**16. OTHER INFORMATION**

Main bibliographic sources:

ECDIN - European Chemicals Data and Information Network

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - 8th edition - Van Nostrand Reinold

ACGIH - Threshold Limit Values - 2004 edition

Risk phrases in Section 2

R11 Highly flammable.

R22 Harmful if swallowed.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R34 Causes burns.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R40 Limited evidence of a carcinogenic effect.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

R48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R68 Possible risk of irreversible effects.

The information contained herein is based on our state of knowledge at the above-specified date. It refers only to the product indicated and constitutes no specification or guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Regulation EC 1907/2006 compliant