

**Safety Data Sheet**  
**Cytrol Forte WP**



**International**

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**1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Cytrol Forte WP**

**Relevant identified uses of the substance or mixture**

Relevant identified uses: biocidal insecticide product

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**2 – HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Serious Eye Damage (Category 1)

STOT – SE Respiratory Irritant (Category 3)

Acute toxicity, Oral (Category 4)

Acute toxicity, Inhalation (Category 4)

Acute aquatic toxicity (Category 1)

Chronic aquatic toxicity (Category 1)

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**Labelling of special preparations (GHS):** May cause paraesthesia as this mixture contains Cypermethrin.

Label elements : Labelling according Regulation (EC) No 1272/2008 [CLP]		
Signal Word : Danger		
    	<p>Hazard statement(s):</p> <p>H318</p> <p>H302</p> <p>H332</p> <p>H334</p> <p>H373</p> <p>H410</p> <p>EUH 401</p> <p>Precautionary statement(s) :</p> <p>P284</p> <p>P280</p> <p>P342 + P311</p> <p>P262</p> <p>P264</p> <p>P270</p> <p>P271</p> <p>P273</p> <p>P301 + P310+P331</p> <p>P220</p> <p>P305+P351+P338+P315</p> <p>P501</p>	<p>Causes serious eye damage.</p> <p>Harmful if swallowed.</p> <p>Harmful if Inhaled.</p> <p>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>May cause damage to organs through prolonged or repeated exposure.</p> <p>Very toxic to aquatic life with long lasting effects.</p> <p>To avoid risks to human health and the environment, comply with the instructions for use.</p> <p>Wear respiratory protection.</p> <p>Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Do not get in eyes, on skin, or on clothing</p> <p>Wash thoroughly after handling.</p> <p>Do not eat drink or smoke while using this product.</p> <p>Use only outdoors or in a well ventilated area.</p> <p>Avoid release to the environment.</p> <p>IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting.</p> <p>Keep/Store away from food, drink and animal feeding stuffs. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. Dispose of contents/container in accordance with local regulations.</p>

**Chemical nature**  
Synthetic Pyrethroid

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### 3 – COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous ingredients (GHS) according to Regulation (EC) No. 1272/2008

Cypermethrin technical	
Content (W/W): 43 % CAS Number: 52315-07-8 EC-No. 257-842-9	Acute toxicity. (Cat 4) (Inhalation - dust) Acute toxicity. (Cat 4) (oral) STOT SE (Cat 3) (respiratory Irritant) Aquatic Acute (Cat 1) Aquatic Chronic (Cat 1) H302, H332, H410, H335, H373

Sodium diisopropylnaphthalene sulphonate	
Content (W/W): 1 – 10 % CAS Number: 1322-93-6 EC No.: 215-343-3	Eye Damage (Cat 1) Acute Toxicity (oral) Cat 4 Acute Toxicity (Inhalation) Cat 4 STOT SE Cat 3 Aquatic Chronic Cat 3 H302; H318; H332, H375, H412

Sodium dodecylbenzene sulphonate	
Content (W/W): 1 - 10 % CAS Number: 25155-30-0 EC No. 246-680-4	Eye damage (Cat 1) Skin irritant (Cat 2) Acute toxicity, oral (Cat 4) H302, H315, H318

Sodium Polycarboxylate	
Content (W/W): 1 - 10 % CAS Number: 25549-84-2	Skin irritant (Cat 3) H315

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### 4 – FIRST-AID MEASURES

#### **Description of first aid measures**

**General information:** Immediately remove any clothing soiled by the product. Symptoms of poisoning may occur even after several hours; therefore medical observation for at least 48 hours after the incident is recommended. In case of irregular breathing or respiratory arrest provide artificial respiration.

**After inhalation:** In case of unconsciousness place patient in recovery position and get emergency medical advice. Exposure can cause numbness, tingling and weakness in extremities. The chemical, physical and toxicological properties have not been thoroughly investigated.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

#### **After swallowing:**

Rinse mouth. Do not induce vomiting. Call a doctor immediately.

### 5 – FIRE FIGHTING MEASURES

#### **Extinguishing media**

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards arising from the substance or mixture:** Formation of toxic gases may occur if heated such as carbon oxides, nitrogen oxides and hydrogen chloride gas.

### 6 – ACCIDENTAL RELEASE MEASURES

**Protective equipment:** Wear self-contained respiratory protective device.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water. Inform appropriate authorities in case of leakage into water course or sewage system.

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**Methods and material for containment and cleaning up:** Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### **Reference to other sections**

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

## **7 – HANDLING AND STORAGE**

### **Handling**

**Precautions for safe handling:** No special measures necessary if handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Avoid contact with skin and eyes and avoid inhalation of vapour or mist.

### **Storage**

Store in a cool, dry location. Store only in the original receptacle. Keep container in a well-ventilated place. Keep away from sources of heat.

Store away from foodstuffs. Recommended storage temperature between 15 – 25 DegC.

### **Protection against fire and explosion:**

No special precautions necessary. The product is non-combustible. Product is not explosive.

## **8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

### **Exposure controls**

**Personal protective equipment:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

### **Hand protection:**

Suitable chemical resistant safety gloves. For example, nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm). Dispose of used gloves in

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accordance with applicable regulations. The selected protective gloves need to satisfy the specifications of EU directive 89/686/EEC and the standard EN374 derived from it.

### **Eye protection:**

Face shield and safety glasses with side-shields approved under EN166(EU) standard.

### **Body protection:**

Body protection must be chosen depending on activity and possible exposure, for example apron, protecting boots, chemical-protection suit.

### **General safety and hygiene measures:**

Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately.

## **9 – PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

Form: Free flowing powder

Colour: White

Odour: No discernible odour

pH: 7.03 at 20 DegC

B.Pt (Deg. C): Not applicable

M. Pt. (Deg. C): Not available

Flash Point (Deg. C): Not applicable

Auto Ignition Temp (Deg. C): Does not self-ignite below 400 DegC

Explosive Properties: Presents no explosive hazard

Oxidising Properties: Not Oxidising

Flammability: Not highly flammable

Flammability limits: Finely dispersed dust clouds may cause a dust explosion.

Solubility (Water): Wetable Powder

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Relative Density: 0.4 to 0.5 g/cm<sup>3</sup>

Bulk Density: Mean Pour Density 0.275 g/ml  
Mean Tap Density 0.344 g/ml

### **10 – STABILITY AND REACTIVITY**

#### **Reactivity**

Stable under normal conditions.

#### **Chemical stability**

Stable under normal conditions.

**Thermal decomposition / conditions to be avoided:** The formation of toxic gases/vapours may occur if heated.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Conditions to avoid:** Heat.

**Incompatible materials:** None known.

### **11 – TOXICOLOGICAL INFORMATION**

Cypermethrin cis/trans +/- 40/60      Dermal Rat LD50 = >2000 mg/kg  
Oral Rat LD50 = 629 mg/kg (approximate)  
Inhalation Rat LC50/4 h = 2.02 mg/L

The toxic effects of cypermethrin are given in sections 2 and 3.

Cypermethrin is classified by the WHO as Moderately Hazardous (class II).

#### **The most frequent toxicity symptoms are:**

- Ataxia (uncoordinated movements)
- Hyper reactivity (exaggerated reaction to stimuli)
- Tremor (uncoordinated trembling or shaking movements)
- Paraesthesia (skin sensation of tingling, tickling, prickling)
- Exhaustion (lethargy, fatigue)
- Hyper salivation (drooling)
- Vomiting

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Diarrhoea

Urinary incontinence

Long term exposure to cypermethrin may cause liver changes.

### **Skin corrosion/irritation**

No data available

### **Serious eye damage/eye irritation**

No data available

### **Respiratory or skin sensitizer**

No data available

### **Germ cell mutagenicity**

No data available

### **Carcinogenicity**

No data available

### **Specific target organ toxicity**

No data available

### **Aspiration hazard**

No data available

## **12 – ECOLOGICAL INFORMATION**

Cypermethrin is a broad-spectrum insecticide, which means it kills beneficial insects and animals as well as the targeted insects. Fish are particularly susceptible to cypermethrin.

**Persistence and degradability:** No further relevant information available.

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Ecotoxicological effects:** Very toxic to fish

### **Additional ecological information:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Poses a contamination danger to drinking water.

Also very toxic to other aquatic organisms such as plankton.

### **Results of PBT and vPvB assessment**

**PBT:** Not applicable.

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**vPvB:** Not applicable.

**Other adverse effects:** No further relevant information available.

### **13 – DISPOSAL CONSIDERATIONS**

#### **Waste treatment methods**

##### **Recommendation**

Do not allow product to reach sewage system.

#### **European waste catalogue**

The waste disposal key number from EWC is 20 01 19 (pesticides).

**Recommendation:** Dispose of in accordance with national regulations.

**Contaminated packaging:** Dispose of as unused product.

### **14– TRANSPORT INFORMATION**

#### **ADR/RID**

**UN Number:** UN3077

**Class:** Class 9

**Packing group:** Packing group III

**Hazard ID:** 90

**Proper shipping Name:** Environmentally Hazardous Substance, Solid, N.O.S.  
(contains Cypermethrin)

#### **IMDG**

**UN Number:** UN3077

**Class:** Class 9

**Packing group:** Packing group III

Marine Pollutant

**EMS Code:** F-A, S-F

**Proper shipping Name:** Environmentally Hazardous Substance, Solid, N.O.S.  
(contains Cypermethrin)

#### **IATA/ICAO**

**UN Number:** UN3077

**Class:** Class 9

**Packing group:** Packing group III

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**Proper shipping Name:** Environmentally Hazardous Substance, Solid, N.O.S.  
(contains Cypermethrin)

### **15– REGULATORY INFORMATION**

To avoid risks to man and the environment, comply with the instructions for use.

The data should be considered when making any hazard assessment.

This product may be subject to the SEVESO II and SEVESO III European regulations.

#### **Classification and labelling according to Regulation:**

(EC) No 1272/2008 [EU-GHS/CLP]

### **16– OTHER INFORMATION**

For proper and safe use of this product, please refer to the product label.

Full text of the classifications, including the indication of danger, the hazard symbols and the hazard statements, if mentioned in section 2:

- Serious Eye Damage (Category 1)
- STOT - SE Respiratory irritant (Category 3) – Warning – Health Hazard label
- Acute toxicity, Oral (Category 4) – Warning - Exclamation Mark label
- Acute toxicity, Inhalation (Category 4) – Warning - Exclamation Mark label
- Acute aquatic toxicity (Category 1) – Warning – Environmentally Damaging label
- Chronic aquatic toxicity (Category 1) – Warning - Environmentally Damaging label

H318 Causes serious eye damage.

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

#### **Abbreviations:**

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ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

STOT: Specific Target Organ Toxicity

WHO: World Health Organisation

EU: European Union

PBT: Persistent, Bioaccumulative and Toxic

vPvT: very Persistent and very Bioaccumulative

SEVESO: The main piece of EU legislation that deals specifically with the control of on-shore major accident hazards involving dangerous substances.

H Phrase: Hazard phrase

P Phrase: Precautionary phrase

### **Exclusion of liability:**

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