


<b>MATERIAL SAFETY DATA SHEET</b>	<b>Version 1 - UK</b>	
	<b>Date: 01/03/2007</b>	
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<b>CYMBAL 45</b>	<b>Page: 1</b>	



Dangerous for  
the environment



Irritant

## 1. Identification of the substance/preparation and the company undertaking

### Identification of the preparation

Product name: **CYMBAL 45**  
Active ingredient: Cymoxanil  
Formulation type: WG (Water dispersible granule)

**Recommended use** Fungicide

**Company identification** **Belchim Crop Protection Limited**  
Suite 2, unit 3, Phoenix Park  
Eaton Socon, St. Neots  
Cambridgeshire PE19 8EP  
Tel.: 01480 403333  
Fax: 01480 403444

**24 - hour emergency number** 0032 014 58 45 45

## 2. Composition / Information on ingredients

Hazardous ingredients	Concentration (w/w)	n° CAS / n° EINECS / Index EC	Symboles	R-phrases <sup>(1)</sup>
Cymoxanil	45%	57966-95-7/2661-043-0/616-035-00-5	Xn, N	22-43-50/53
Sodium salt	< 5%	68955-19-1/273-257-1/-	Xi	41-38
Fumaric acid	< 5%	110-17-8/203-743-0/607-146-00-X	Xi	36
Ammonium distyryl-phenyl ether sulphate	< 20%	59891-11-1/-/-	Xi, N	36-51/53

<sup>(1)</sup> For R-phrases in full: see heading 16

## 3. Hazard identification

**Indication of danger:** Irritant  
Dangerous for the environment

**Adverse human health effects:** May cause sensitisation by skin contact.


**Environmental effects** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4. First aid measures

**General:** Remove the affected person from source of exposure. Remove all contaminated clothing and wash affected area. If you feel unwell seek medical advice (show the label where possible).

**Inhalation:** Immediately remove to fresh air. If you feel unwell seek medical advice (show the label where possible).

**Ingestion:** Seek medical attention immediately. Never give anything by mouth to an unconscious person. Symptoms may not be apparent immediately but may occur after a few hours; therefore maintain under medical supervision for at least 48 hours.

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#### 4. First aid measures (continued)

Skin contact:	Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water. If you feel unwell seek medical advice (show the label where possible).
Eye contact:	Rinse eyes with clean water for several minutes. If you feel unwell seek medical advice (show the label where possible).
<b>Guide to physician:</b>	No specific antidote is known. Apply symptomatic therapy.

For additional information, please consult the **24 - hour emergency number: 0032 (0)14 58 45 45**

#### 5. Fire fighting measures

Suitable Extinguishing Media:	Fight fire with CO <sub>2</sub> , dry chemical powder, foam or water spray (do not use direct jet of water).
Special Hazards during Fire Fighting:	Combustion may generate toxic fumes containing HCl, CO and NO <sub>2</sub> . Under certain fire conditions, traces of other toxic gasses cannot be excluded.
Protective Equipment for Fire Fighting: Specific methods:	Use self-contained breathing apparatus. Wear protective equipment. Cool containers with spray. Contain fire-fighting water, bunding if necessary with sand, earth or other inert material.

#### 6. Accidental release measures

Personal precautions:	For personal protection see Section 8.
Environmental protection measures: following accidents:	Pay attention to protective clothing and safety measures. Sweep up carefully and shovel sweeping into marked bags of drums. Dispose of through a reputable local waste disposal contractor.

#### 7. Handling and storage

Handling:	Avoid contact with skin and clothing. Avoid inhalation of fog and vapours. Do not eat, drink or smoke while working.
Storage:	Store the product in closed original containers. Protect from humidity. The product is not explosive.
Storage requirements:	Storage Compatibility with other Products: store separate from food and feed.

#### 8. Personal protection

Personal protection:	Wear suitable protective gloves when handling the concentrate and when handling contaminated surfaces. Wash all protective clothing thoroughly after use, especially the inside of the gloves.
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#### 9. Physical and chemical properties

##### General information:

Appearance:	Beige granules
Odour:	Typical

##### Important health, safety and environmental information

pH :	5.47
Explosive properties:	No explosive properties
Self ignition point:	> 260°C
Solubility:	Dispersible

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## 10. Stability and reactivity

Chemical Stability Assessment: Stable under normal ambient conditions. Non flammable and non corrosive.  
Sensitivity: Thermally not sensitive

## 11. Toxicological information

*The information below is related to the preparation*

### Acute toxicity

Acute oral (rat): LD<sub>50</sub> > 2000 mg/kg  
Acute dermal (rat): LD<sub>50</sub> > 2000 mg/kg

### Chronic toxicity

Skin irritation (rabbit): Not irritant  
Eye irritation (rabbit): Not irritant  
Sensitization (guinea pig): Cymoxanil may produce an allergic reaction.

## 12. Ecological information

*The information below is related to the preparation*

### Ecotoxicity

-Aquatic organisms:  
LC<sub>50</sub> (Rainbow trout/96h): > 10 mg/l  
EC<sub>50</sub> (Daphnia magna/48h): > 100 mg/l

-Algae:  
EC<sub>50</sub> (Scenedesmus subspicatus/72h): < 1mg/l

## 13. Disposal considerations

Product Disposal: Contact local authority or a reputable waste disposal company for collection and disposal of unwanted product or containers.  
Container Disposal: Dispose of empty Containers in accordance with local regulations.

## 14. Transport information


### International regulations

#### Land transportation (RID/ADR)

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (cymoxanil)  
UN number : 3077  
Hazard identification number : 90  
Labelling : 9  
Class : 9  
Classification code : M7  
Packaging group : III

#### Sea transportation (IMO/IMDG)

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (cymoxanil)  
UN number : 3077  
Class : 9  
Packaging group : III  
EMS: F - A, S - F  
Transport/ special classification: Marine pollutant

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#### Air transport (ICAO / IATA)

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (cymoxanil)  
 UN number : 3077  
 Class : 9  
 Packaging group : III

### 15. Regulatory information

#### Classification and labelling

Symbols of danger: Xi - Irritant  
 N - Dangerous for the environment

R-phrases : R43- May cause sensitization by skin contact.  
 R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases : S24 - Avoid contact with skin.  
 S37 - Wear suitable gloves.

### 16. Other information

Explanation of R-phrases used in heading 2: R22 - Harmful if swallowed.  
 R36 - Irritating to eyes.  
 R38 - Irritating to skin.  
 R41 - Risk of serious damage to eyes.  
 R43 - May cause sensitization by skin contact.  
 R50/53 - Very toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment.  
 R51/53 - Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment.

Sources of the data used: - Dossiers Belchim Crop Protection NV  
 - Classification Database ECB  
 - Commission Directive 2004/73/EC of 29 April 2004 adapting to technical progress for the twenty-ninth time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances

Update : Subheadings and text which have been modified since the previous version are followed with an asterisk (\*).

The contents and format of this MSDS are in accordance with EC Commission Directive 93/112/EEC, 99/45/EC and 2001/58/EC.

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