

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Cymbal 45  
Product code : BCP308F  
Type of product : WG (Water dispersible granule)

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

##### 1.2.1. Relevant identified uses

Main use category : For professional users only  
Use of the substance/mixture : Fungicide  
Function or use category : Plant protection products

##### 1.2.2. Uses advised against

No additional information available

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

Belchim Crop Protection NV/SA  
Technologielaan 7  
1840 Londerzeel - Belgium  
T +32 (0)52 30 09 06 - F +32 (0)52 30 11 35  
[info@belchim.com](mailto:info@belchim.com) - [www.belchim.com](http://www.belchim.com)

#### 1.4. Emergency telephone number

Emergency number : +32(0)14584545  
24 H/7 days/English/French/German/Dutch

| Country | Organisation/Company                                     | Address                                  | Emergency number   | Comment |
|---------|--|--|--|---------|
| Ireland | National Poisons Information Centre<br>Beaumont Hospital | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566 (Healthcare professionals-24/7)<br>+353 1 809 2166 (public, 8am - 10pm, 7/7) |         |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319  
Skin sensitisation, Category 1 H317  
Reproductive toxicity, Category 2 H361fd  
Specific target organ toxicity — Repeated exposure, Category 2 H373  
Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Suspected of damaging fertility or the unborn child. May cause damage to organs (blood, thymus) through prolonged or repeated exposure. May cause an allergic skin reaction. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) :

Warning

Hazard statements (CLP) :

H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.  
H373 - May cause damage to organs (blood, thymus) through prolonged or repeated exposure.  
H410 - Very toxic to aquatic life with long lasting effects.

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Precautionary statements (CLP) : P260 - Do not breathe spray  
P273 - Avoid release to the environment  
P280 - Wear protective gloves  
P308+P313 - IF exposed or concerned: Get medical advice/attention  
P391 - Collect spillage  
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

EUH-statements : EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

### 2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier  | Conc. (% w/w) | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|---|---------------|---|
| cymoxanil (ISO); 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide<br>(Pesticide and active ingredients) | (CAS-No.) 57966-95-7<br>(EC-No.) 261-043-0<br>(EC Index-No.) 616-035-00-5                                   | ≥ 45          | Acute Tox. 4 (Oral), H302<br>Skin Sens. 1, H317<br>Repr. 2, H361fd<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Mixture of potassium polycarboxylate and ammonium distyryl-phenyl ether sulphate                                  |   | < 20          | Eye Irrit. 2, H319<br>Aquatic Chronic 3, H412   |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts   | (CAS-No.) 85586-07-8;151-21-3<br>(EC-No.) 287-809-8<br>(REACH-no) 01-2119489463-28-XXXX                     | ≤ 5           | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412   |
| Fumaric Acid  | (CAS-No.) 110-17-8<br>(EC-No.) 203-743-0<br>(EC Index-No.) 607-146-00-X<br>(REACH-no) 01-2119485492-31-0000 | < 3           | Eye Irrit. 2, H319  |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Remove contaminated clothes. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell. Do not induce vomiting. Do not ingest.

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

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, or water spray or regular foam.

Unsuitable extinguishing media : None to our knowledge.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

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### 5.3. Advice for firefighters

- Firefighting instructions : Cool closed containers exposed to fire with water spray. Contain the extinguishing fluids by bunding (the product is hazardous for the environment).
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Do not allow into drains or water courses.

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

- For containment : Collect spillage. Contain the spilled material by bunding (product is hazardous for the environment).
- Methods for cleaning up : Mechanically recover the product. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Avoid all eye and skin contact and do not breathe vapour and mist.
- Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protective equipment:

Gloves. Protective clothing. Protective goggles.

|   |
|---|
| <b>Hand protection:</b>   |
| Use neoprene gloves. Nitrile rubber gloves  |
| <b>Eye protection:</b>  |
| Chemical goggles or safety glasses  |
| <b>Skin and body protection:</b>  |
| Wear suitable protective clothing. Rubber boots. Neoprene rubber or butyl rubber suit |
| <b>Respiratory protection:</b>  |
| In case of inadequate ventilation wear respiratory protection.                        |

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### Personal protective equipment symbol(s):



### Environmental exposure controls:

Avoid release to the environment.

### Other information:

Wash hands with water and soap. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

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

|   |   |
|---|---|
| Physical state                                  | : Solid                                     |
| Appearance                                      | : Granulate.                                |
| Colour  | : Beige.                                    |
| Odour   | : characteristic.                           |
| Odour threshold                                 | : No data available                         |
| pH  | : No data available                         |
| pH solution                                     | : $\approx 5,47$ (1%; Water; CIPAC MT 75.3) |
| Relative evaporation rate (butylacetate=1)      | : No data available                         |
| Melting point                                   | : No data available                         |
| Freezing point                                  | : Not applicable                            |
| Boiling point                                   | : No data available                         |
| Flash point                                     | : Not applicable                            |
| Auto-ignition temperature                       | : $> 267$ °C                                |
| Decomposition temperature                       | : No data available                         |
| Flammability (solid, gas)                       | : Not flammable                             |
| Vapour pressure                                 | : No data available                         |
| Relative vapour density at 20 °C                | : No data available                         |
| Relative density                                | : Not applicable                            |
| Density   | : $\approx 0,88$ g/ml                       |
| Solubility                                      | : Dispersible.                              |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                         |
| Viscosity, kinematic                            | : No data available                         |
| Viscosity, dynamic                              | : No data available                         |
| Explosive properties                            | : None.                                     |
| Oxidising properties                            | : None.                                     |
| Explosive limits                                | : Not applicable                            |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                         |   |
|-------------------------|---|
| Acute toxicity (oral)   | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal) | : Not classified (Based on available data, the classification criteria are not met) |

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Acute toxicity (inhalation) : Not classified (Not applicable)

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|                 |                         |
|-----------------|-------------------------|
| LD50 oral rat   | > 2000 mg/kg (OECD 423) |
| LD50 dermal rat | > 2000 mg/kg (OECD 402) |

### cymoxanil (ISO); 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide (57966-95-7)

|   |                         |
|---|-------------------------|
| LD50 oral rat                             | 960 mg/kg (OECD 401)    |
| LD50 dermal rat                           | > 2000 mg/kg (OECD 402) |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | > 5 mg/l/4h (OECD 403)  |

Skin corrosion/irritation : Not classified

Additional information : (OECD 404 method)  
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Irritating to rabbits on ocular application

Additional information : (OECD 405 method)

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Additional information : CLP Calculation method

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging fertility. Suspected of damaging the unborn child.

STOT-single exposure : Not classified

STOT-repeated exposure : May cause damage to organs (blood, thymus) through prolonged or repeated exposure.

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

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|                |   |
|----------------|---|
| LC50 fish 1    | > 10 mg/l (96 H; Oncorhynchus mykiss)             |
| EC50 Daphnia 1 | > 100 mg/l (48 H; Daphnia magna)                  |
| ErC50 (algae)  | 5,31 mg/l (72 H; Pseudokirchneriella subcapitata) |

### cymoxanil (ISO); 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide (57966-95-7)

|                        |   |
|------------------------|---|
| LC50 fish 1            | 26 mg/l (96 H; Oncorhynchus mykiss; OECD 203)     |
| EC50 Daphnia 1         | 27 mg/l (48 H; Daphnia magna; OECD 202)           |
| ErC50 (algae)          | 0,041 mg/l (96 H; Navicula pelliculosa; OECD 201) |
| NOEC chronic fish      | 0,044 mg/l (90 d; Oncorhynchus mykiss; OECD 210)  |
| NOEC chronic crustacea | 0,067 mg/l (21 d; Daphnia magna; OECD 211)        |

### 12.2. Persistence and degradability

#### Cymbal 45

Persistence and degradability : No supplementary information available.

### cymoxanil (ISO); 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide (57966-95-7)

Persistence and degradability : Not readily biodegradable.

### 12.3. Bioaccumulative potential

#### cymoxanil (ISO); 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide (57966-95-7)

|   |                             |
|---|-----------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 0,59 – 0,67 (pH 5-7; 20 °C) |
| Bioaccumulative potential                       | No bioaccumulation.         |

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### 12.4. Mobility in soil

|   |  |
|---|--|
| <b>cymoxanil (ISO); 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide (57966-95-7)</b> |  |
| Partition coefficient n-octanol/water (Log Koc)   | 1,64   |
| Ecology - soil  | Biodegradability in soil: no data available. |

### 12.5. Results of PBT and vPvB assessment

|  |   |
|--|---|
| <b>Cymbal 45</b>   |   |
| PBT: not relevant – no registration required   |   |
| vPvB: not relevant – no registration required  |   |
| <b>Component</b>   |   |
| cymoxanil (ISO); 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide (57966-95-7) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

### 12.6. Other adverse effects

Other adverse effects : No supplementary information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR  | IMDG   | IATA   | ADN  | RID  |
|--|--|--|--|--|
| Special provision(s) applied<br>: 375  | Special provision(s) applied<br>: 969  | Special provision(s) applied<br>: A197   | Special provision(s) applied<br>: 375  | Special provision(s) applied<br>: 375  |
| These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. |  |  |  |  |
| <b>14.1. UN number</b>   |  |  |  |  |
| UN 3077  | UN 3077  | UN 3077  | UN 3077  | UN 3077  |
| <b>14.2. UN proper shipping name</b>   |  |  |  |  |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil)   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil)                                   | Environmentally hazardous substance, solid, n.o.s. (Cymoxanil)                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil)                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil)                 |
| <b>Transport document description</b>  |  |  |  |  |
| UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil), 9, III, (- )   | UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil), 9, III, MARINE POLLUTANT | UN 3077 Environmentally hazardous substance, solid, n.o.s. (Cymoxanil), 9, III | UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil), 9, III | UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil), 9, III |
| <b>14.3. Transport hazard class(es)</b>  |  |  |  |  |
| 9  | 9  | 9  | 9  | 9  |
|  |  |  |  |  |
| <b>14.4. Packing group</b>   |  |  |  |  |
| III  | III  | III  | III  | III  |
| <b>14.5. Environmental hazards</b>   |  |  |  |  |
| Dangerous for the environment : Yes  | Dangerous for the environment : Yes<br>Marine pollutant : Yes                                    | Dangerous for the environment : Yes  | Dangerous for the environment : Yes  | Dangerous for the environment : Yes  |
| No supplementary information available   |  |  |  |  |

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## Safety Data Sheet

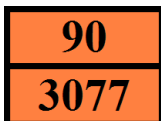
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 14.6. Special precautions for user

#### Overland transport

Special provisions (ADR) : 274, 335, 375, 601

Orange plates :



#### Transport by sea

No data available

#### Air transport

No data available

#### Inland waterway transport

Classification code (ADN) : M7

Number of blue cones/lights (ADN) : 0

Additional requirements/Remarks (ADN) : \* Only in the molten state. \*\* For carriage in bulk see also 7.1.4.1. \*\*\* Only in the case of transport in bulk.

#### Rail transport

No data available

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes:

| Section | Changed item                   | Change   | Comments |
|---------|--------------------------------|----------|----------|
|         | Revision date                  | Modified |          |
|         | Supersedes                     | Modified |          |
| 5.1     | Suitable extinguishing media   | Modified |          |
| 5.1     | Unsuitable extinguishing media | Modified |          |

Data sources

: SDS of suppliers.

ECHA (European Chemicals Agency).

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

### Full text of H- and EUH-statements:

|                     |   |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 1   | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 3   | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1                     |

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|               |   |
|---------------|---|
| Eye Irrit. 2  | Serious eye damage/eye irritation, Category 2   |
| Repr. 2       | Reproductive toxicity, Category 2   |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2   |
| Skin Sens. 1  | Skin sensitisation, Category 1  |
| STOT RE 2     | Specific target organ toxicity — Repeated exposure, Category 2                            |
| H302          | Harmful if swallowed.   |
| H315          | Causes skin irritation.   |
| H317          | May cause an allergic skin reaction.  |
| H318          | Causes serious eye damage.  |
| H319          | Causes serious eye irritation.  |
| H361fd        | Suspected of damaging fertility. Suspected of damaging the unborn child.                  |
| H373          | May cause damage to organs through prolonged or repeated exposure.                        |
| H400          | Very toxic to aquatic life.   |
| H410          | Very toxic to aquatic life with long lasting effects.                                     |
| H412          | Harmful to aquatic life with long lasting effects.  |
| EUH401        | To avoid risks to human health and the environment, comply with the instructions for use. |

SDS EU (REACH Annex II) BCP

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*