

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the product

Product name	Dauphin 45
Active ingredient	Cymoxanil 450 g/kg
Formulation type	Water-dispersible granule
Pure substance/preparation	Preparation

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

Recommended Use	Fungicide
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1.3 Details of the supplier of the safety data sheet

Supplier

Société Financière de Pontarlier (S.F.P)
Villa Celony
1175, Montée d'Avignon
F- 13090 Aix en Provence
Tel. +33 (0)4 42 52 72 12
Fax +33 (0)4 42 52 68.52

E-mail Address contact@sfp-rd.com

1.4 Emergency telephone number

Emergency Telephone Number **(CARECHEM 24): +44 (0) 1235 239670**

United Kingdom United Kingdom NHS no. 111

2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture

Classification according to EU Directives 671548/EEC or 1999/451EC

Symbol(s) Xn - Harmful
N - Dangerous for the environment

R-code(s) Repr. cat. 3; R62 - R63 - Xn, R48/22 - Xn; R22 – N, R51/53

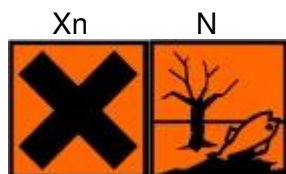
For the full text of the R phrases mentioned in this Section, see Section 16

Classification according to regulation (EC) No 127212008 (CLP)

Acute Oral Toxicity	Category 4 - (H302)
Reproductive Toxicity	Category 2 - (361fd)
STOT - repeated exposure	Category 2 - (373)
Chronic Aquatic Toxicity	Chronic 2 - (H411)

2.2 Label Elements

Labelling according to EU Directives 67/548/EEC or 1999/45/EC



Symbol(s)

Xn - Harmful
N - Dangerous for the environment

R -phrase(s)

R22 - Harmful if swallowed
R62 - Possible risk of impaired fertility
R63 - Possible risk of harm to the unborn child
R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S -phrase(s)

S13 - Keep away from food, drink and animal feedingstuffs
S 2 - Keep out of the reach of children
S35 - This material and its container must be disposed of in a safe way
S46 - If swallowed, seek medical advice immediately and show this container or label
S57 - Use appropriate container to avoid environmental contamination
To avoid risks to man and the environment, comply with the instructions for use

S60 - This material and its container must be disposed of as hazardous waste
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets
S20/21 - When using, do not eat, drink or smoke
S36/37 - Wear suitable protective clothing and gloves

Labelling according Regulation (EC) No 1272/2008 (CLP)



Signal Word

Warning

Hazard Statements

H302 - Harmful if swallowed

H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child

H373 - May cause damage to organs through prolonged or repeated exposure if swallowed

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P273 - Avoid release to the environment

P308 + P313 - IF exposed or concerned: Get medical advice/ attention

P391 - Collect spillage

P501 - Dispose of contents/ container in accordance with national regulation

EU Specific Hazard Statements

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

2.3 Other hazards

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

Chemical Name	EC No.	CAS-No	Weight %	Classification (Dir.671548)	EU - GHS Substance Classification	REACH No.
Cymoxanil	261-043-0	57966-95-7	40 - 50	Xn; R22 R43 N; R50153 Repr. Cat 3:R62-63	Acute Tox. 4 (H302) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available

For the full text of the R phrases mentioned in this Section, see Section

16 For the full text of the H-Statements mentioned in this Section, see

Section 16

4. FIRST AID MEASURES

4.1 Description of first-aid measures

General Advice	Show this safety data sheet to the doctor in attendance
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids If eye irritation persists, consult a specialist
Skin Contact	Wash off immediately with soap and plenty of water Remove and wash contaminated clothing before re-use
Ingestion	Call a POISON CENTER or doctor/physician if exposed or you feel unwell
Inhalation	Move to fresh air

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media	Foam
	Dry powder
	Water spray

Unsuitable Extinguishing Media	High volume water jet.
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5.2 Special hazards arising from the substance or mixture

Special hazard	Thermal decomposition giving flammable and toxic products. Hydrogen cyanide (hydrocyanic acid) nitrogen oxides (NOx) Carbon oxides
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5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes
Wear protective gloves/clothing and eye/face protection.

6.2 Environmental precautions

This product is water pollutant. Prevent soil contamination or the product from flowing into the drain systems.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling

Provide appropriate exhaust ventilation at places where dust is formed
Avoid dust formation in confined areas
Avoid contact with skin and eyes

Hygiene Measures

Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep in properly labelled containers
Keep containers tightly closed in a cool, well-ventilated place
Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur.

7.3 Specific end uses

No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits	Apply technical measures to comply with the occupational exposure limits
Derived No Effect Level (DNEL)	No information available.
Predicted No Effect Concentration (PNEC)	No information available.

8.2 Exposure controls

Engineering Controls	Ensure adequate ventilation, especially in confined areas
Personal protective equipment	
Eye Protection	Safety glasses with side-shields.
Skin Protection	Lightweight protective clothing. Boots. Apron.
Hand Protection	Protective gloves.
Respiratory Protection	Effective dust mask When workers are facing concentrations above the exposure limit they must use appropriate certified respirators
Environmental exposure controls	Local authorities should be advised if significant spillages cannot be contained. Do not allow material to contaminate ground water system. Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Orange Grey	
Physical State	Solid , Free flowing granules	
Odor	Mild-musty	
<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	Approx. 5.5	CIPAC MT 75 (1% aq)
Melting point/freezing point	No information available	Decomposes without melting.
Boiling Point/Range		
Flash Point		
Flammability (solid, gas)	Not highly flammable	CE A.10
Bulk Density	0.87 kg/l	Tap density / Pour density 0.84 kg/l / 0.91 kg/l
Water Solubility	Dispersible	
Solubility in other solvents	Partly soluble	
Partition coefficient: n-octanol/water	No information available	
Autoignition Temperature	> 400 °C	CE A.16
Decomposition temperature	No information available.	
Viscosity	Non oxidizing (according to A17 test)	
Oxidizing Properties	According to the chemical structure no explosion reaction is expected.	
Explosive Properties		

9.2 Other information

VOC Content	Not applicable.
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10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of Hazardous Reactions

None under normal processing.

10.4 Conditions to Avoid

Do not store near strong acids

Keep away from open flames, hot surfaces and sources of ignition

10.5 Incompatible materials

Alkaline

Strong acids

Strong oxidizing agents

10.6 Hazardous decomposition products

hydrogen cyanide

Nitrogen oxides

(NO_x) Carbon

oxides

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Local effects

Inhalation

Eye Contact

Skin Contact

Ingestion

(rabbit). Non-irritating.

Not a skin irritant or sensitizer.

Harmful if swallowed.

Chronic Toxicity

Skin corrosion/irritation

No information available.

Sensitization

No information available.

Carcinogenic effects

No information available

Mutagenic Effects

No information available

Reproductive Effects

No information available

STOT - single exposure

No information available

STOT - repeated exposure

No information available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

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

Chemical Name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Cymoxanil	Anabaena flos-aquae NOErC = 0.0652 mg/l ECr50 = 0.254 mg/l NOEbC = 0.034 mg/l ECb50 = 0.122 mg/l	Lepomis macrochirus NOEC = 17 mg/l LC50 = 29mg/l		NOEC = 15 mg/l EC50 = 27 mg/l

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

Chemical Name	log Pow
Cymoxanil	log Pow = 0.59-0.67 @ 20°C

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from Residues / Unused Products	Dispose of in accordance with local regulations.
Contaminated Packaging	Empty containers should be taken for local recycling, recovery or waste disposal.
EWC waste disposal No	020108 - agrochemical waste containing dangerous substances.
Other Information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

ADR/RID

14.1. UN-No	UN3077
14.2. Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s. (Cymoxanil, mixture)
14.3 Hazard Class	9
14.4 Packing Group	III
14.5 Environmental hazard	Dangerous for the environment
14.6 Special Provisions	274, 335, 601
Tunnel restriction code	(E)

IMDG/IMO

14.1. UN-No	UN3077
14.2. Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s. (Cymoxanil , mixture)
14.3 Hazard Class	9
14.4 Packing Group	III
14.5 Environmental hazard	Marine pollutant
14.6 Special Provisions	274, 335

IATA/ICAO

14.1. UN-No	UN3077
14.2. Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s. (Cymoxanil , mixture)
14.3 Hazard Class	9
14.4 Packing Group	III
14.5 Environmental hazard	Dangerous for the environment
14.6 Special Provisions	A158, A179, A97

15. REGULATORY INFORMATION

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

Registration n° MAPP nr: 16433

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

International Inventories

TSCA	Complies
EINECS/ ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Complies
CHINA	-
AICS	Complies
KECL	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out.

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R22 - Harmful if swallowed

R62 - Possible risk of impaired fertility

R63 - Possible risk of harm to the unborn child

R43 - May cause sensitization by skin contact

R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed

R52/53 - Harmful 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 R50/53 - Very toxic to aquatic organisms, may cause

long-term adverse effects in the aquatic environment

Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child

H411 - Toxic to aquatic life with long lasting effects

Revision Date 16-May-2014

Revision Note not applicable

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information contained is based on our knowledge of the product at the date of publishing.

It applies to the PRODUCT AS SUCH. In case of formulation or mixture, make sure that a new danger will not appear. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and duplicated for prevention and Safety purposes.

For rates and use recommendations, refer to the information displayed on the packaging.

It is the responsibility of the handlers of the product to pass on this safety data sheet to any subsequent persons who will come into contact with the product.

End of Safety Data Sheet