

# Dauphin 45 WG

## Safety Data Sheet

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

Date of issue: 2/8/2016

Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Dauphin 45 WG

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Phytosanitary

##### 1.2.2. Uses advised against

No additional information available

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

Société Financière de Pontarlier  
11, Boulevard de la Grande Thumine - Parc d'Ariane - Bât. B  
13090 AIX EN PROVENCE - FRANCE  
T +33 (0)4 42 52 72 12 - F +33 (0)4 42 52 68 52  
[contact@sfprd.fr](mailto:contact@sfprd.fr)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

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

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

Acute Tox. 4 (Oral)	H302
Repr. 2	H361fd
STOT RE 2	H373
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Full text of hazard classes and H-statements : see section 16

##### Classification according to Regulation (EC) No 1107/2009 of the European Parliament and of the Council of 21 October 2009 concerning the placing of plant protection products on the market and repealing Council Directives 79/117/EEC and 91/414/EEC (Greece)

Acute Tox. 4 (Oral)	H302
Repr. 2	H361fd
STOT RE 2	H373
Aquatic Chronic 1	H410

Registration no.: 60.605

Full text of H-statements: see section 16

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

Harmful if swallowed. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs . Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No 1107/2009 of the European Parliament and of the Council of 21 October 2009 concerning the placing of plant protection products on the market and repealing Council Directives 79/117/EEC and 91/414/EEC (Greece)

Hazard pictograms (CLP) :



GHS07

GHS08

GHS09

Hazardous ingredients : Cymoxanil (ISO); Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

Hazard statements (CLP) :  
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  
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP) : P102 - Keep out of reach of children

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	P260 - Do not breathe dust, spray P264 - Wash hands, face thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - IF SWALLOWED: Call a POISON CENTER if you feel unwell P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant
EUH-statements	: EUH208 - Contains Cymoxanil (ISO)(57966-95-7). May produce an allergic reaction EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Cymoxanil (ISO)	(CAS-No.) 57966-95-7 (EC-No.) 261-043-0 (EC Index-No.) 616-035-00-5	<= 50	Repr. 2, H361fd Acute Tox. 4 (Oral), H302 STOT RE 2, H373 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	(CAS-No.) 85586-07-8 (REACH-no) 01-2119489463-28	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Fumaric acid	(CAS-No.) 110-17-8 (EC-No.) 203-743-0 (EC Index-No.) 607-146-00-X	1 - 5	Eye Irrit. 2, H319

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	(CAS-No.) 85586-07-8 (REACH-no) 01-2119489463-28	( 10 =<C < 20) Eye Irrit. 2, H319 (C >= 20) Eye Dam. 1, H318

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice and attention if you feel unwell.
First-aid measures after skin contact	: Remove all contaminated clothing and footwear. Wash immediately with plenty of soap and water. If irritation persists, consult a doctor.
First-aid measures after eye contact	: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Consult an ophthalmologist if irritation persists.
First-aid measures after ingestion	: Rinse mouth out with water. Call a physician immediately.

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

No additional information available

### 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 : Powder. Carbon dioxide (CO2). Water spray. Foam.

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

Fire hazard : Presents no particular fire or explosion hazard.

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Hazardous decomposition products in case of fire : On combustion or on thermal decomposition (pyrolysis) releases : Carbon oxides (CO, CO<sub>2</sub>), Nitrogen oxides.

### 5.3. Advice for firefighters

Firefighting instructions : Isolate fire area. Evacuate downwind. Do not breathe fumes. Contain the extinguishing fluids by bunding. Use water spray or fog for cooling exposed containers.

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 : Mark out the contaminated area with signs and prevent access to unauthorized personnel. Clear the danger area. Avoid contact with skin and eyes. Do not attempt to take action without suitable protective equipment.

#### 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

Do not discharge into drains or rivers. Contain the spilled material by bunding.

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

For containment : Sweep up or vacuum up the product.

Methods for cleaning up : Cautiously neutralize remainder. Wash contaminated area with large amounts of water.

Other information : Dispose of contaminated materials in accordance with current regulations.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear recommended personal protective equipment. Do not breathe dust. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. If an exposure to the product is possible, delimit concerned areas and use suitable warning and safety signals, including "no smoking" signals. Do not expose pregnant or breastfeeding women.

Hygiene measures : Always wash hands after handling the product. Do not drink, eat or smoke in the workplace. If on skin, take off contaminated clothing.

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

Storage conditions : Store in a cool, well-ventilated place. Keep container tightly closed.

Packaging materials : Original packaging.

### 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.

#### Hand protection:

Impermeable protective gloves. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374. Breakthrough time : refer to the recommendations of the supplier

#### Eye protection:

Safety glasses

#### Skin and body protection:

Protective clothing (with elasticated cuffs and closed neck)

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### Respiratory protection:

Filtering respiratory protective device with a pesticide canister

## SECTION 9: Physical and chemical properties

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

Physical state	: Solid
Appearance	: Pellet.
Colour	: Orange.
Odour	: slight. mouldy.
Odour threshold	: No data available
pH	: 5.3 - 5.5
pH solution	: 1 % Aqueous solution
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: > 400 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: The product is not flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.87 g/cm <sup>3</sup>
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

To our knowledge, the product does not present any particular risk.

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

Moisture.

### 10.5. Incompatible materials

Acids. Bases. Oxidizing materials. Reducing agents.

### 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)	: Oral: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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LD50 oral rat	960 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat	> 5.06 mg/l

Cymoxanil (ISO) (57966-95-7)	
LD50 oral rat	960 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat	> 5.6 mg/l/4h

Skin corrosion/irritation : Not classified. (Based on available data, the classification criteria are not met)  
pH: 5.3 - 5.5

Additional information : Not irritating to rabbits on cutaneous application

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)  
pH: 5.3 - 5.5

Additional information : Not irritating to rabbits on ocular application

Respiratory or skin sensitisation : Not classified. (Based on available data, the classification criteria are not met)

Additional information : Does not cause cutaneous sensitisation for guinea-pigs

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

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

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Cymoxanil (ISO) (57966-95-7)	
NOAEL, Dermal, rat	> 1000 mg/kg 28 (days)

Aspiration hazard : Not classified (Technical impossibility to obtain the data)

## SECTION 12: Ecological information

### 12.1. Toxicity

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

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Cymoxanil (ISO) (57966-95-7)	
LC50 fish	29 mg/l/96h (Lepomis macrochirus)
EC50 Daphnia	27 mg/l/48h (Daphnia magna)
EC50 72h algae	0.122 mg/l/96h (Biomass - Anabaena flos aquae)
NOEC chronic fish	0.044 mg/l (Oncorhynchus mykiss) (90days)
NOEC chronic crustacea	0.067 mg/l/ 21 d (Daphnia magna)

### 12.2. Persistence and degradability

Cymoxanil (ISO) (57966-95-7)	
Persistence and degradability	Half-life (in soil) : 0.2 - 7.3. days (20 °C - 10kPa).

Fumaric acid (110-17-8)	
Persistence and degradability	Readily biodegradable. 67.5 % biodegradation. /28 days.

### 12.3. Bioaccumulative potential

Cymoxanil (ISO) (57966-95-7)	
Log Pow	0.64 (99.9%) (20 °C)

Fumaric acid (110-17-8)	
Log Pow	0.46
Bioaccumulative potential	Not potentially bioaccumulable.

### 12.4. Mobility in soil

Fumaric acid (110-17-8)	
Mobility in soil	No data available

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### 12.5. Results of PBT and vPvB assessment

Component	
Fumaric acid (110-17-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations






### 13.1. Waste treatment methods

Waste treatment methods : After cleaning, recycle or dispose of at an authorised site. Do not allow into drains or water courses.

Product/Packaging disposal recommendations : Dispose of in accordance with relevant local regulations.

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
3077	3077	3077	3077	3077
<b>14.2. UN proper shipping name</b>				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil (ISO)(57966-95-7))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil (ISO)(57966-95-7))	Environmentally hazardous substance, solid, n.o.s. (Cymoxanil (ISO)(57966-95-7))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil (ISO)(57966-95-7))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil (ISO)(57966-95-7))
<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 Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

### 14.6. Special precautions for user

#### - Overland transport

Classification code (ADR)	: M7
Special provisions (ADR)	: 274, 335, 601, 375
Limited quantities (ADR)	: 5kg
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P002, IBC08, LP02, R001
Special packing provisions (ADR)	: PP12, B3
Mixed packing provisions (ADR)	: MP10
Portable tank and bulk container instructions (ADR)	: T1, BK1, BK2
Portable tank and bulk container special provisions (ADR)	: TP33
Tank code (ADR)	: SGAV, LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V13
Special provisions for carriage - Bulk (ADR)	: VC1, VC2
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90

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Orange plates



Tunnel restriction code (ADR) : E

### - Transport by sea

Special provisions (IMDG) : 274, 335, 966, 967  
Limited quantities (IMDG) : 5 kg  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P002, LP02  
Special packing provisions (IMDG) : PP12  
IBC packing instructions (IMDG) : IBC08  
IBC special provisions (IMDG) : B3  
Tank instructions (IMDG) : T1, BK1, BK2, BK3  
Tank special provisions (IMDG) : TP33  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-F  
Stowage category (IMDG) : A  
MFAG-No : 171

### - Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y956  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 956  
PCA max net quantity (IATA) : 400kg  
CAO packing instructions (IATA) : 956  
CAO max net quantity (IATA) : 400kg  
Special provisions (IATA) : A97, A158, A179, A197  
ERG code (IATA) : 9L

### - Inland waterway transport

Classification code (ADN) : M7  
Special provisions (ADN) : 274, 335, 61  
Limited quantities (ADN) : 5 kg  
Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T\* B\*\*  
Equipment required (ADN) : PP, A  
Number of blue cones/lights (ADN) : 0

### - Rail transport

Classification code (RID) : M7  
Special provisions (RID) : 274, 335, 601  
Limited quantities (RID) : 5kg  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P002, IBC08, LP02, R001  
Special packing provisions (RID) : PP12, B3  
Mixed packing provisions (RID) : MP10  
Portable tank and bulk container instructions (RID) : T1, BK1, BK2  
Portable tank and bulk container special provisions (RID) : TP33  
Tank codes for RID tanks (RID) : SGAV, LGBV  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W13  
Special provisions for carriage – Bulk (RID) : VW1  
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31

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Colis express (express parcels) (RID) : CE11

Hazard identification number (RID) : 90

### 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 REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

A CSA does not need to be carried out for this product.

## SECTION 16: Other information

Data sources : ECHA - European Chemicals Agency. SDS of suppliers.

Other information : Safety data sheet established by : LISAM SERVICES - TELEGIS  
17 rue de la Couture F-60400 Passel  
www.lisam-telegis.fr.

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
EUH208	Contains Cymoxanil (ISO)(57966-95-7). May produce an allergic reaction
EUH401	To avoid risks to human health and the environment, comply with the instructions for use
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
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

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Acute Tox. 4 (Oral)	H302	On basis of test data
Repr. 2	H361fd	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

SDS EU (REACH Annex II)

*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*