



# SACRON WG

PCS No. 04541

A water-dispersible granule containing 45 % w/w cymoxanil  
for use in tank mixes against potato blight.  
For use as an agricultural fungicide.  
FOR PROFESSIONAL USE ONLY.

## SAFETY INFORMATION



### WARNING

**Harmful if swallowed.**

**Suspected of damaging fertility or the unborn child.**

**May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.**

Obtain special instructions before use.

Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid release to the environment.

IF exposed or concerned: Get medical advice/attention.

Collect spillage.

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

**To avoid risks to human health and the environment, comply with the instructions for use.**

UN 3082

PCS No. 04541

**To avoid risks to human health and the environment, comply with the instructions for use.**

**Do not contaminate water with the product or its container.**

**(Do not clean application equipment near surface water / Avoid contamination via drains from farmyards and roads).**

**To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.**

**BATCH NO. & EXPIRY DATE:** See packaging

**SHAKE WELL BEFORE USE**

See separate leaflet/booklet for Directions for use/Instructions for use.

Marketing company and Authorisation Holder:

**UPL Europe Ltd**

The Centre, Birchwood Park, Warrington, WA3 6YN

Telephone: 01925 819999 Fax: 01925 817425

For 24 hour emergency information contact: CARECHEM24 : +44 (0) 1235 239670



Net Contents

**500g**

**DIRECTIONS FOR USE**

Crop	Max single dose	Max. no. of applications	Max. total dose	Latest time of application
Potatoes (seed and ware)	0.22 kg/ha	8 per crop	1.76 kg/ha	14 days before harvest

**Specific diseases controlled:**  
Control of Late blight of potatoes caused by *Phytophthora infestans* is achieved when used in conjunction with products containing active substances with multi-site activity.

**Disease control:**

SACRON WG contains the active ingredient cyromxanil, which is locally systemic. Cyromxanil has a short lasting curative effect providing protection for a minimum 7 days. SACRON WG is to be added to basic preventative contact fungicide programs in a rational way, when the risk is high or when a curative control is required. An example might be when unexpected rain occurs after application of another fungicide. Another example might be when climatic conditions encourage the development of *Phytophthora infestans*. SACRON WG must be used in tank mix with another fungicidal active substance that has a multi-site mode of action, such as mancozeb. The combination of two active ingredients will help to reduce the selection strains of resistance. Potato fungicides may not give complete protection of blight when the incidence of disease is severe. Successful control of potato blight also requires a season-long disease prevention policy that integrates cultural measures such as the destruction of ground keepers and potato dumplings and commencing the spray before blight infection.

**Varieties:**

All varieties of early and maincrop potatoes may be treated. On crops grown for processing consult your processor before use.

**Timing:**

Timing of spray applications should take into account the normal prevalence of the disease in the area and conditions of the particular season. The first spray should be applied as soon as there is a risk of blight infection or an official warning is issued. In the absence of warning, spraying should begin just before the crop meets along the rows. Applications should be repeated every 10-14 day intervals depending on the prevalence of the disease and on whether the conditions are favorable for infection. A 7 day spray interval may be used under exceptional circumstances e.g. when the potato blight risk is high and rain is forecast at the time the next 10 day spray is due. The longer interval is recommended under dry conditions. Irrigation of crops increases the risk of blight and crops should always be sprayed with SACRON WG tank-mixed with a contact fungicide, as soon as possible after irrigation, subject to the minimum spray interval.

**Water volumes:**

Apply SACRON WG in 300 to 600 l/ha, the higher volumes may be used in thick or dense crops to improve coverage.

**RESTRICTIONS**

To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

**Directions for the safe disposal of the plant protectant product and of the packaging**

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

**Resistance management**

When fungicides with the same mode of action are used repeatedly over several years in the same field, naturally occurring less sensitive strains may survive, propagate and become dominant in that field. It is therefore advised that spray programs should include fungicides with differing modes of action.

**FOLLOWING CROPS**

Any crop may be sown after a crop treated with SACRON WG.

**MIXING AND SPRAYING**

Spraying equipment should be thoroughly cleaned before spraying. SACRON WG mixes easily with water and should be added directly to the spray tank during filling. Wash out container and add washing to the spray tank. Continue agitation until spraying is complete.

**Spray tank clean-out**

Immediately after application, completely drain spray equipment.

Thoroughly rinse sprayer and flush the hoses, boom nozzles with clean water.

Loosen and physically remove visible deposits.

Remove and clean nozzles, screens and strainers.

Flush the entire system with clean water.

Take all necessary safety precautions when cleaning equipment.

Do not clean near wells or water sources.

Dispose of waste water in accordance with local regulations.

**FIRST AID INFORMATION**

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice.

WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

**Operator Protection**

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment. Wear suitable protective gloves and suitable respiratory protective equipment when handling the product. "Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent.

Wear suitable protective clothes when handling contaminated surfaces.

**CONDITIONS OF SUPPLY**

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use or the weather conditions before, during and after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded, and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. Our staff or agents cannot vary these conditions whether or not they supervise or assist in the use of such goods.

**SAFETY DATA SHEET****1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING****1.1 Identification of the product**

Product code: FDJ03

Product Description: Sacron WG

Synonyms: Cyromxanil 45 WG

Pure substance/preparation: Preparation

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**

Recommended use: Fungicide

1.3 Details of the Supplier of the Safety Data Sheet

Supplier: UPL Europe Ltd, The Centre, Birchwood Park, Warrington WA3 6YN, Cheshire, UK

Tel.: +44 (0) 1925 819999, Fax: +44 (0) 1925 856075

E-mail address: info.uk@uniphos.com

**1.4 Emergency Telephone Number**

Emergency telephone number: CARCHEM 24: +44 (0) 1235 239670

Ireland: National Poisons Information Centre (IC): +353 1 8379694

**2. HAZARDS IDENTIFICATION****2.1 Classification of the mixture**

Classification according to regulation (EC) No 1272/2008 (CLP)

**Human Health**

Acute oral toxicity	Category 4 - (H302)
Reproductive toxicity	Category 2 - (H361D)
STOT - repeated exposure	Category 2 - (H373)

**Environment**

Chronic aquatic toxicity

Chronic - 2 - (H411)

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

**2.2 Label elements**

Labeling according to Regulation (EC) No. 1272/2008 (CLP)

**WARNING****Signal word:****Hazard statements**

H302 - Harmful if swallowed

H373 - Suspected of damaging fertility. Suspected of damaging the unborn child

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

H411 - Toxic to aquatic life with long lasting effects

**Precautionary Statements - EU (G28, 1272/2008)**

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P200 - Do not breathe mist

P270 - Do not eat, drink or smoke when using this product

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

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

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P301 - Collect spillage

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

**EU Specific Hazard Statements**

EUH208 - May produce an allergic reaction

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

**3. Other Hazards**

None known/available

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

Chemical name	EC No	CAS-No	Weight %	Classification (Dir.67/548)	EU - GHS Substance Classification	REACH No.
Cyromxanil	261-043-0	57966-95-7	40 - 50	-	STOT RE 2 (H373) Skin Sens. 1 (H317) Resp. 2 (H361D) Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	no data available
Sulfated ethylates - oligoerythritol	-	-	1 - 5	-	Eye Dam. 1 (H318)	no data available
Mixtures of - STASSUM POLYCARBOXYLATE AMMONIUM DIETHYLPHENYL ETHER SULPHATE	-	-	5 - 10	XcR36 R52/53	Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)	no data available
Fumaric acid	Present	110-17-8	1 - 5	XcR36	Eye Irrit. 2 (H319)	no data available

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: Rinse mouth. Call a physician or poison control center immediately.

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.

**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.

**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**

Do not flush into surface water or sanitary sewer system.

**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

Use only outdoors or in a well-ventilated area.

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

Keep in properly labelled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from food, drink and animal feeding stuffs.

#### 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 solid, Free flowing granules

**Physical state:** Mild-musty

**Odor:** Mild-musty

**Property** VALUES

**pH:** approx 5.5

**Melting point/freezing point:** No information available

**Boiling Point/Range:** No information available

**Flash Point:** No information available

**Flammability (solid, gas):** Not highly flammable

**Bulk density:** 0.87 kg/l

**Water solubility:** dispersible

**Solubility in Other Solvents:** Partly soluble

**Partition coefficient: n-octanol/water:** No information available

**Autoignition temperature:** > 400 °C

**Decomposition temperature:** No information available

**Viscosity:** No information available

**Oxidizing properties:** Not oxidizing (according to A17 test)

**Explosive properties:** According to the chemical structure no explosion reaction is expected.

### 9.2 Other information

**VOC Content:** Not applicable

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

None under normal use.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to avoid

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

### 10.5 Incompatible Materials

Alkaline. Strong acids. Strong oxidizing agents.

### 10.6 Hazardous Decomposition Products

Hydrogen cyanide. Nitrogen oxides (NOx). Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects

#### Acute toxicity

##### Local effects

**Inhalation:** There is no data available for this product.

**Eye contact:** No eye irritation.

**Skin contact:** No skin irritation. (Cymoxanil).

**Ingestion:** There is no data available for this product.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Cymoxanil 57966-95-7	LD50 = 960 mg/kg bw	LD50 > 2000 mg/kg bw	LC50 > 5.06 mg/L air
Fumaric acid 110-17-8	= 9300 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	

### 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/NOEC = 0.0652 mg/l EC50 = 0.254 mg/l NOEC = 0.034 mg/l EC650 = 0.122 mg/l	Lepomis macrochirus NOEC = 17 mg/l LC50 = 29 mg/l		NOEC = 15 mg/l EC50 = 27 mg/l
Fumaric acid	EC50 72 h = 41 mg/L (Desmodesmus subspicatus)	LC50 48 h = 245 mg/L static (Brachydanio rerio)		EC50 24 h = 73.6 mg/L (Daphnia magna) EC50 48 h: 204 mg/L h: 220 mg/L (Daphnia magna)

### 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
Fumaric acid	0.33

### 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.

**EWIC 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.

## 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: II

14.5 Environmental Hazard: DANGEROUS FOR THE ENVIRONMENT

14.6 Special Provisions: 274, 335, 375, 601

Tunnel restriction code: E

### IMDG/IIMO

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: II

14.5 Environmental Hazard: Marine Pollutant

14.6 Special Provisions: 274, 335, 966, 967, 969

### NA/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: II

14.5 Environmental Hazard: DANGEROUS FOR THE ENVIRONMENT

14.6 Special Provisions: A97, A158, A179, A197

## 15. REGULATORY INFORMATION

### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Registration #: PCS no 04541

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

#### International Inventories

**Legend:**

TCSC: Comples EINECS/ELINCS: Comples DSL/NDSL: Comples PICCS: Comples ENCS: Comples China: AICS: Comples KECL: Comples

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 Chemical Substances/European List of Notified Chemical Substances. PICCS - Philippines Inventory of Chemicals and Chemical Substances. ENCS - Japan Existing and New Chemical Substances. IECSB - 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

R12 - Harmful if swallowed. R36 - Irritating to eyes. R41 - Risk of serious damage to eyes. R43 - May cause sensitization by skin contact. R62 - Possible risk of impaired fertility. R63 - Possible risk of harm to the unborn child. R48/22 - Also harmful: danger of serious damage to health by prolonged exposure if swallowed. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53 - Harmful 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. H318 - Causes serious eye damage. H319 - Causes serious eye irritation. H373 - May cause damage to organs through prolonged or repeated exposure if swallowed. H361FD - Suspected of damaging fertility. Suspected of damaging the unborn child. H400 - Very toxic to aquatic life. H410 - Very toxic to aquatic life with long lasting effects. H411 - Toxic to aquatic life with long lasting effects. H412 - Harmful to aquatic life with long lasting effects.

Revision date: 30-Sep-2015

Revision note: Sections updated: 2, 3. Classification of the substance or mixture, 3. Composition/information on ingredients.

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 SUPPLIED. 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.