

# PROXANIL

(MAPP 13945)

Fungicide for the  
preventative control  
of foliar late blight  
(*Phytophthora infestans*)  
on potato.



**SIPCAM U.K.**

# PROXANIL

(MAPP 13945)

Contains 400 g/L (36% w/w) Propamocarb and 50 g/L (4.6% w/w) Cymoxanil as a Suspension Concentrate.

This product is approved under the Control of Pesticide Regulations 1986.

Fungicide for the preventative control of foliar late blight (*Phytophthora infestans*) on potato.



**IRRITANT**

**MAY CAUSE SENSITISATION BY SKIN CONTACT.  
HARMFUL TO AQUATIC ORGANISMS,  
MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE  
AQUATIC ENVIRONMENT.**

Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin. Do not empty into drains, dispose of this material and its container in a safe way. Wear suitable gloves. Use appropriate containment to avoid environmental contamination.

Do not contaminate water with the product or its container.

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

**Safety Data Sheet available for the professional user on request.**

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

## IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

<b>Crops</b>	Potato
<b>Maximum individual dose:</b>	2 Litre product/hectare
<b>Maximum number of treatments:</b>	4 per crop
<b>Latest time of application:</b>	14 days before harvest

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

**IMPORTANT** The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

**READ THE LABEL BEFORE YOU BUY – USE PESTICIDES SAFELY**



**Manufacturer, marketing company and approval holder:**

Agriphar S.A., Rue de Renory 26/1, B-4102 Ougrée, Belgium. Tel. 00 32 4 385 9711.

**UK distributor:** Sipcam UK Limited, 3 The Barn, 27 Kneesworth Street, Royston, Herts SG8 5AB. Tel: 01763 212100. Fax: 01763 212101.

### SIPCAM UK CONDITIONS OF SUPPLY

All goods supplied by us are of high grade, but as we cannot exercise control over their mixing or use, all conditions and warranties, statutory or otherwise, as to the quality or fitness of our goods for any purpose, are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use.

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## SAFETY PRECAUTIONS

### Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH CONCENTRATE from skin and eyes immediately.

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

WHEN USING DO NOT EAT, DRINK OR SMOKE.

### Environmental Protection

DO NOT CONTAMINATE surface waters or ditches with chemical or used container.

### Storage and disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

## DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

## RESTRICTIONS OR WARNING

Wait 14 days after last treatment before harvesting the crop.

## DISEASES CONTROLLED

Proxanil is a foliar fungicide containing 400 g/L propamocarb hydrochloride and 50 g/L cymoxanil. It can be used for the preventative and curative treatment of foliar late blight (*Phytophthora infestans*) on potato.

## CROP-SPECIFIC INFORMATION

Crop	Pest	Rate of Use	Timing
Potato	Foliar late blight ( <i>Phytophthora infestans</i> )	2 L/ha in 400 litres water per hectare.	Begin treatment as soon as there is a risk of blight infection and repeat as part of a full programme. Maximum 4 applications per crop with a minimum interval of 7 days between each treatment.

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All varieties of early and maincrop potatoes may be treated with Proxanil. On crops grown for processing, consult your processor before use. Safety to daughter tubers for propagation cannot be guaranteed.

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## TIMING

Spraying should commence when the crop meets within the row or following the first blight infection period. There are certain areas e.g. south west and western England, Wales and Northern Ireland which should generally be treated as being extreme risk because of the climatic conditions and practices. In these areas application should be made at 7 day intervals. Crops grown under irrigation should be regarded as at extreme risk at all times and treated at 7 day intervals. Do not apply 'Proxanil' if rainfall is imminent. Treatment should be applied after irrigation.

Application of 'Proxanil' should be made at intervals dependent on disease pressure. Spray should be repeated at 7 day intervals where crops are at high risk, when active blight is present in the area in dumps or on crops or volunteers and further Blight Infection Periods are recorded or warnings issued.

## APPLICATION

Add the required quantity of Proxanil to a half-filled spray tank with continuous agitation, then add the remaining volume of water. Spray immediately after mixing and continue agitation during spraying.

Wash out the sprayer thoroughly with water and liquid detergent immediately after use. Finally wash out with water and drain.

## SPRAY QUALITY

Apply Proxanil as a medium spray as defined by the BCPC system.

## RESISTANCE

To reduce the risk it is in your interest to plan a programme of treatments using fungicides with different modes of action.

## DRIFT

Avoid spray drift outside those areas being sprayed.

Store well away from seeds, fertilizers and animal feedingstuffs in a safe dry place designated as an agrochemical store.

PROTECT FROM FROST.

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# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Identification of the product – Cymoxanil 50 g/L + Propamocarb 400 g/L

Trade name – PROXANIL

Use – Agriculture

Type of product – Fungicide

Supplier – Sipcam UK Limited, 3 The Barn, 27 Kneesworth Street, Royston, Herts SG8 5AB

Emergency phone no – Office 01763 212100

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance name – Cymoxanil

Contents – 4 to 5%

CAS No – 57966-95-7

EC No – 261-043-0

Index No – 616-035-00-5

Symbol(s) – Xn N

R-Phrase(s) – 22-43-50/53

Toxicity information

Rat oral LD50 [mg/kg] 960

Rabbit dermal LD50 [mg/kg] > 2000

Rat inhalation LC50 [mg/l/4h] > 5.06

Sensitization Not classified

Ecological effects information 47.5 to 91

LC50-96 Hour - fish [mg/l]

48 H-LC50 - Daphnia magna [mg/l] 27

Substance name – Propamocarb hydrochloride

Contents – 33 to 40%

CAS No – 25606-41-1

EC No – 247-125-9

Symbol(s) – Xi

R-Phrase(s) – 43

Toxicity information

Rat oral LD50 [mg/kg] > 2000

Percutaneous (rat) LD50 [mg/kg] > 2000

Rat inhalation LC50 [mg/l/4h] > 5.06

## 3. HAZARDS IDENTIFICATION

Risk Phrases – May cause sensitization by skin contact.

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

Primary route of exposure – Skin and eyes contact.

Symptoms relating to use

Inhalation – Cough, Headache, Drowsiness, Dizziness.

Skin contact – Redness, pain. May cause sensitization by skin contact.

Eye contact – Not expected to present a significant eye contact hazard under anticipated conditions of normal use.

Ingestion – Abdominal pain, nausea. Must not come into contact with food or be consumed.

## 4. FIRST AID MEASURES

Inhalation – Assure fresh air breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention if breathing difficulty persists.

Skin contact – Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.

Eye contact – Check for and remove any contact lenses. In case of eye contact, immediately rinse with clean water for 10-15 minutes. Obtain emergency medical attention if pain, blinking, tears or redness persist.

Ingestion – If swallowed, rinse mouth with water (only if the person is conscious). DO NOT INDUCE VOMITING. Seek medical attention immediately.

## 5. FIRE FIGHTING MEASURES

Suitable extinguishing media – Water fog, Water spray, Foam, Dry chemical.

Unsuitable extinguishing media – Do not use a heavy water stream.

Surrounding fires – Use water spray or fog for cooling exposed containers.

Specific hazards – Avoid (reject) fire-fighting water to enter environment. When heated to decomposition, emits dangerous fumes. Hydrogen chloride. Nitrogen oxides. Carbon monoxide. Carbon dioxide.

Protection against fire – Do not enter fire area without proper protective equipment, including respiratory protection.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Protection Equipment – No smoking. Keep public away from danger area. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

Environmental Protection – Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Clean up Methods – Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

## 7. HANDLING AND STORAGE

General – Avoid all unnecessary exposure. No naked lights. No smoking. Ventilate confined spaces before entering.

Technical protective measures – Ground well.

Storage – Keep locked up. Keep only in the original container in a cool, well ventilated place. Close container tightly after use. Protect from freezing.

Handling – Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory protection – Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.

Hand protection – Wear suitable gloves resistant to chemical penetration.

Skin protection – Skin protection appropriate to the conditions of use should be provided.

Eye protection – Chemical goggles or face shield with safety glasses.

Ingestion – When using, do not eat, drink or smoke.

Industrial hygiene – Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C – Liquid

Colour – Clear

Odour – Not known

Density – 1.08

Viscosity at 20°C [mPa.s] – 900

Surface tension [mN/m] – 28.4 (25°C)

Flash point [°C] – > 103

Auto-ignition temperature [°C] – > 430

## 10. STABILITY AND REACTIVITY

Stability and reactivity – Stable.

Hazardous decomposition products – According to process conditions, hazardous decomposition products may be generated. Hydrogen chloride. Nitrogen oxides. Carbon monoxide. Carbonylchloride.

Materials to avoid – Strong acids. Strong bases. Strong oxidizers.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Dermal May cause sensitization by skin contact.

Ocular Not expected to present a significant eye contact hazard under anticipated conditions of normal use.

Rat oral LD50 [mg/kg] > 2000

Rabbit dermal LD50 [mg/kg] > 4000

Rat inhalation LC50 [mg/l/4h] No data available.

On ingredients See Heading. Information on ingredients.

## 12. ECOLOGICAL INFORMATION

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

LC50-96 Hour - fish [mg/l] – 1000

48 H-LC50 - Daphnia magna [mg/l] – 590

Ebc50 Algae [mg/l] – 83 (72h)

ErC50 Algae [mg/l] – 190 (72h)

On ingredients – See Heading. Information on ingredients.

## 13. DISPOSAL

Avoid release to the environment. Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

## 14. TRANSPORT

General information – Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.

Land transport – Not classified.

Sea transport – Not classified.

Air transport – Not classified.

## 15. REGULATORY INFORMATION

Xi, Irritant

Risk Phrases (R)

R43 May cause sensitization by skin contact.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases (S)

S2 Keep out of the reach of children.

S23 Do not breathe spray.

S24 Avoid contact with skin.

S29/35 Do not empty into drains; dispose of this material and its container in a safe way.

S36/37 Wear suitable protective clothing and gloves.

S46 If swallowed seek medical advice immediately and show this container or label.

S51 Use only in well-ventilated areas.