

# Globe

A fungicide for use  
on all varieties of early  
and maincrop potatoes  
for the control of foliar  
late blight



**SIPCAM U.K.**

# Globe

A wettable powder containing 60 g/kg cymoxanil and 700 g/kg mancozeb.

A fungicide for use on all varieties of early and maincrop potatoes for the control of foliar late blight.



## HARMFUL

Harmful if swallowed.  
May cause sensitisation by skin contact.



## DANGEROUS FOR THE ENVIRONMENT

Very Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.  
Contains cymoxanil. May produce an allergic reaction.

Safety Data Sheet available for the professional user on request.  
To avoid risks to man and the environment, comply with the instructions for use.

### COMPLIANCE WITH THE FOLLOWING CONDITIONS OF USE AND ALL SAFETY PRECAUTIONS IS A LEGAL REQUIREMENT

#### FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL FUNGICIDE

<b>Crop:</b>	Early, maincrop and seed potatoes
<b>Maximum dose:</b>	1.5 kg product/hectare
<b>Maximum number of treatments:</b>	6 per crop
<b>Minimum application interval:</b>	7 days
<b>Latest time of application:</b>	7 days before harvest

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

**WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD)** when handling the concentrate.

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

**DANGEROUS TO FISH OR OTHER AQUATIC LIFE.** Do not contaminate surface waters, or ditches with chemical or used container.

**DO NOT ALLOW DIRECT SPRAY** from crop sprayers to fall within 5m of the top of the bank of a static or flowing waterbody, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1m of the top of a ditch which is dry at the time of application.

**DO NOT ALLOW DIRECT SPRAY** from hand-held sprayers to fall within 1m of the top of the bank of a static or flowing waterbody.

**READ ALL OTHER SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE** (MAPP 10339)

**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

### 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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3 The Barn, 27 Kneesworth Street, Royston, Herts SG8 5AB. Tel: 01763 212100. Fax: 01763 212101.

## **DIRECTIONS FOR USE**

### **DISEASE CONTROL**

Blight in potatoes (*Phytophthora infestans*) is a disease which is variable in its occurrence and severity. GLOBE allows the use of a flexible programme to retain continuous healthy foliage free from this disease. GLOBE combines the local systemic action of cymoxanil and the protectant activity of mancozeb. GLOBE will control strains of blight both resistant and sensitive to phenylamides.

The rapid penetration of cymoxanil into the leaf and its post-infection, curative activity means that GLOBE provides blight protection both inside and outside the leaf and is effective even in wet weather.

### **CROPS**

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

### **TIMING AND WEATHER**

Spraying should commence when the crop meets within the rows or immediately should the first blight infection period occur e.g. as notified by MAFF, the Scottish Colleges of Agriculture, DANI.

Applications should be repeated at 10-14 day intervals when disease pressure is high or weather conditions are conducive to infection.

There are certain areas e.g. South West and Western England, Wales and Northern Ireland which should generally be treated as being at extreme risk because of climatic conditions and cultural practices. In these areas applications 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. Treatment should be applied after irrigation.

#### **Note:**

Following the harvest of first earlies and second early crops any haulm that remains should be completely destroyed or removed immediately, as failure to do so will result in high blight pressure on neighbouring maincrop potatoes.

### **DOSE**

Apply GLOBE at 1.5 kg/hectare.

### **VOLUME AND APPLICATION**

Apply GLOBE in not less than 200 litres of water per hectare.

### **SPRAY QUALITY**

Apply GLOBE as a MEDIUM spray as defined in the BCPC system.

### **MIXING INSTRUCTIONS**

Remove the filter basket and add the required quantity of Globe to the half filled spray tank with the agitation system in operation and then fill to the required level. Continue agitation until spraying is completed.

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## **COMPATIBILITY**

GLOBE may be applied to recommended crops in a two-way tank-mix with the following products:

Pirimicarb (M06633)

Fluazinam (M07091)

Deltamethrin + pirimicarb (M06934)

Please refer to Mixing Instructions.

In keeping with good spraying practice, tank mixtures should not be allowed to stand in the tank and agitation should be maintained at all times.

Tank-mixed applications must be made within the label instruction of both products.

## **RESISTANCE**

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

## **PRECAUTIONS**

### **Operator Protection**

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling contaminated surfaces.

WASH CONCENTRATE from skin and eyes immediately.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

Wear suitable protective clothing and gloves.

### **Environmental Protection**

DANGEROUS TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters, or ditches with chemical or used container.

Use appropriate containment to avoid environmental contamination.

### **Storage and Disposal**

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

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

This material and its container must be disposed of in a safe way.

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# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name – Globe

MAPP – 10339

Use – Fungicide

Formulation type – Wettable powder

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

Common name – Mancozeb

CAS/EC no – 8018-01-7, 006-076-00-1

Hazard Symbol – Xi

R phrases – R37, R43

Conc\* – 70%

Common name – Cymoxanil

CAS/EC no – 57966-95-7

Hazard Symbol – Xn, N

R phrases – R22, R43, R50/53

Conc\* – 6%

## 3. HAZARDS IDENTIFICATION

Critical Hazard to man – HARMFUL IF SWALLOWED.

MAY CAUSE SENSITISATION BY SKIN CONTACT.

Critical Hazard to environment – Very Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

## 4. FIRST AID MEASURES

General advice – Remove from source of exposure.

Remove all contaminated clothing and wash affected area.

Inhalation – Remove the individual from exposure to this product and keep well ventilated with fresh air. Keep at rest. If necessary and if breathing stops, give artificial respiration. Seek medical attention.

Skin contact – Remove contaminated clothing immediately.

Wash affected area thoroughly with soap and water.

Rinse with more water. Seek medical attention.

Eye contact – Rinse immediately with plenty of water for at least 15 minutes and then seek medical attention.

Ingestion – If swallowed, Rinse out mouth with water, seek medical attention immediately. Do not induce vomiting for an unconscious person.

Poisoning symptoms – Symptoms may not be apparent immediately but may occur after a few hours, therefore maintain under medical supervision for at least 48 hours.

Treatment – No Specific antidote. Treat Symptomatically and Supportive.

Consult a Poisons Centre such as;

0171 635 9191 (National Poisons Information Service - London)

(AUTHORISED MEDICAL PRACTITIONERS ONLY)

## 5. FIRE FIGHTING MEASURES

Suitable extinguishing media – Fight fire with CO<sub>2</sub>, dry chemical powder, foam or water spray (in preference to water jet).

Specific hazards – Combustion may generate toxic fumes containing SO<sub>2</sub>, HCL, CO and NO<sub>x</sub>. Under certain fire conditions traces of other toxic gases cannot be excluded.

Protective equipment – Wear self-contained breathing apparatus (SCBA).

Specific Methods – Cool containers with spray. Contain fire-fighting water, bunding if necessary with sand, earth, or other inert material.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Protective Equipment – Wear protective coveralls, neoprene gloves, rubber boots and faceshield or goggles, covering as much of the body as possible (see section 8).

Environmental Protection – DANGEROUS TO FISH OR AQUATIC LIFE. Do not contaminate surface water or ditches with chemical or used container.

Inform local water plc immediately if spillage enters drains and the National Rivers Authority (England and Wales) or River Purification Boards (Scotland), if it enters surface or ground waters.

Clean up Methods – Contain or absorb spillage, sweep up carefully and shovel sweepings into marked bags or drums. Dispose of through a reputable local waste disposal contractor.

## 7. HANDLING AND STORAGE

### Handling

Use Personal Protective Clothing as specified in Section 8.

Avoid fumes – work in a well ventilated area.

### Storage

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

The product is not explosive.

Store under dry conditions.

Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### Exposure Limits

CAS – 57966-95-7

Material – Cymoxanil

% – 2.5-10

Type – TWA

Value (unit) – 5 mg/m<sup>3</sup>

CAS – 8018-01-7

Material – Mancozeb

% – 70-80

Type – TWA

Value (unit) – 5 mg/m<sup>3</sup>

Engineering measures – Use a cab fitted with a forced air filtration unit with a pesticide filter if possible when spraying.

### Personal Protective Equipment

Wear suitable protective clothing and gloves.

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate and when handling contaminated surfaces.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

Where PPE cannot be cleaned, dispose of as contaminated waste.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

State – Powder

Density – 0.3-0.4 g/cm<sup>3</sup> @ 20°C

Colour – Yellow

Odour – Characteristic

Ignition temperature – Not self igniting

Explosive properties – Not explosive

Flammability – Not Flammable

Solubility – Dispersible in water

## 10. REACTIVITY AND STABILITY

Stability – Stable under normal ambient conditions. Non-flammable and non-corrosive.

Condition to avoid – Protect from humidity, high temperatures and direct Sunlight.

## 11. TOXICOLOGICAL INFORMATION

Acute oral LD<sub>50</sub> (rat) – Mancozeb 5000 mg/kg

Cymoxanil 1196 mg/kg

Acute dermal LD<sub>50</sub> (rat) – Mancozeb 5000 mg/kg

Cymoxanil >3000 mg/kg

Acute inhalation (rat) – Cymoxanil >5.06 mg/l/4h

Irritation to Skin – Not irritant

Irritation to eye – Slight irritant

Sensitisation – May cause sensitisation by skin contact

Other ADI mg/kg b.w – cymoxanil 0.016 / mancozeb 0.03

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Rainbow Trout LC<sub>50</sub> Mancozeb 2.2 mg/l (96hr)

Cymoxanil 61 mg/l (96hr)

Carp LC<sub>50</sub> Mancozeb 4.0 mg/l (96hr)

Cymoxanil 91 mg/l (96hr)

## 13. DISPOSAL

Contact Local Authority (Environmental Health Department) or a reputable waste disposal company for collection and disposal of unwanted product or containers.

For further guidance on the disposal of containers, surplus spray solution, tank washings and concentrate, refer to Part 5 (Disposal of Pesticide Waste) of the MAFF/HSE booklet "Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings".

## 14. TRANSPORT

UN Number – 3077

Packaging Group – III

Marine Pollutant – MARINE POLLUTANT

ADR/RID Classification – 9, 12 Kemler: 90

IMDG/IMO Classification – 9, 9029

Proper shipping name – ENVIRONMENTALLY HAZARDOUS SUBSTANCE.

SOLID N.O.S (contains MANCOZEB 70% w/w / CYMOXANIL 6%).

## 15. REGULATORY INFORMATION

Hazard Symbol – Xn Harmful.

– N Dangerous for the environment.

Risk Phrases (R) – R22 Harmful if swallowed.

R43 May cause sensitisation by skin contact.

R50-53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Safety Phrases (S) – S35 This material and its container should be disposed of in a safe way.

S36/37 Wear suitable protective clothing and gloves.

S57 Use appropriate containment to avoid environmental contamination.

## 16. OTHER INFORMATION

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

Packaging – Container.

Container – 4.5 kg polyethylene lined paper sack.

Approval number – MAPP 10339