

**CHIPCO GREEN**Version 2 / GB  
102000002129

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Revision Date: 19.03.2008

Print Date: 11.07.2008

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name                                   CHIPCO GREEN  
Product code (UVP)                       05930758  
Usage   Fungicide  
Company                                       Bayer Environmental Science  
  230 Cambridge Science Park  
  Milton Road  
  Cambridge  
  Cambridgeshire CB4 0WB  
  Great Britain

Telephone                                   +44(0)1223 226500  
Telefax                                       +44(0)1223 426240  
Responsible Department                 Email: ukinfo@bayercropscience.com

Emergency telephone number       0800-220876 (UK 24 hr)  
  +44(0)1603-242424 (Overseas 24 hr)

**2. HAZARDS IDENTIFICATION****Risk advice to man and the environment**

Limited evidence of a carcinogenic effect.

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

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**Suspension concentrate (=flowable concentrate)(SC)  
Iprodione 255 g/l SC**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Iprodione	36734-19-7 253-178-9	Xn, N	R40, R50/53	25.00
Polyarylphenyl ether phosphate	90093-37-1	Xi	R36	> 1.00 - < 20.00
Tributyl phenol polyglycol ether	9046-09-7	Xn, N	R22, R41, R51/53	> 0.10 - < 2.50
1,2-Propanediol	57-55-6 200-338-0			> 1.00

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

**4. FIRST AID MEASURES****General advice**

In the case of accident or if you feel unwell, seek medical advice immediately (show the label)



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where possible).

### Skin contact

Wash off thoroughly with plenty of water and soap, if available with polyethyleneglycol 400, subsequently rinse with water.

### Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

### Ingestion

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

### Notes to Physician

#### Treatment

There is no specific antidote.  
Treat symptomatically.  
Medical supervision for minimum 48 hours.

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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water spray  
Carbon dioxide (CO<sub>2</sub>)  
Foam  
Dry powder

### Specific hazards during fire fighting

In the event of fire the following can be released:  
Carbon monoxide (CO)  
Hydrogen chloride (HCl)  
Nitrogen oxides (NO<sub>x</sub>)

### Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

### Further information

Contain the spread of the fire-fighting media.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions

Use personal protective equipment.

### Environmental Precautions

Do not allow to get into surface water, drains and ground water.  
If spillage enters drains leading to sewage works inform local water company immediately.  
If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

### Methods for Cleaning Up

Recover the product by pumping, suction or absorption using a dry and inert absorbent clay.  
Collect and transfer the product into a properly labelled and tightly closed container.  
When picked up, treat product as prescribed in Ch. 13. "Disposal considerations".

### Additional Advice

Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Check also for any local site procedures.

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**7. HANDLING AND STORAGE****Handling**

Advice on safe handling

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

Advice on protection against fire and explosion

No special precautions required.

**Storage**

Requirements for storage areas and containers

Store in a place accessible by authorized persons only.

Keep away from direct sunlight.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Storage stability

Other data

Storage temperature should ideally lie between 0 and 40 °C, however, storage for two weeks at 54 °C has shown no adverse effects regarding product safety or stability.

Temperature tolerance

-10 °C

Suitable materials

High density polyethylene

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

**Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Iprodione	36734-19-7	2 mg/m <sup>3</sup>		OES BCS*
1,2-Propanediol (Particulate.)	57-55-6	10 mg/m <sup>3</sup> (TWA)	2007	EH40 WEL
1,2-Propanediol (Total vapour and particulates.)	57-55-6	474 mg/m <sup>3</sup> / 150 ppm (TWA)	2007	EH40 WEL

\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

**Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory Protection

No personal respiratory protective equipment normally required.

Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have

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	been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.
Hand Protection	Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.
Eye protection	Wear goggles conforming to EN166 (Field of Use 5 or equivalent).
Skin and body protection	Wear standard coverall and type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.
Hygiene measures	Wash hands immediately after work, if necessary take a shower. Smoking, eating and drinking should be prohibited in the application area.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	liquid, suspension
Colour	green

**Safety data**

pH	3 - 5 at 1 % (20 °C)
Flash point	> 100 °C No flash point - Determination conducted up to the boiling point.
Density	approx. 1.02 g/cm <sup>3</sup> at 20 °C
Water solubility	dispersible
Viscosity, dynamic	40 - 100 mPa.s at 20 °C

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**10. STABILITY AND REACTIVITY**

Conditions to Avoid	Extremes of temperature and direct sunlight.
Hazardous Reactions	No hazardous reactions when stored and handled according to prescribed instructions. Stable under normal conditions.

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**11. TOXICOLOGICAL INFORMATION**

Acute Oral Toxicity	LD50 (rat) > 2,000 mg/kg
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Acute Dermal Toxicity	LD50 (rat) > 2,000 mg/kg
Skin Irritation	No skin irritation. (rabbit)
Eye Irritation	No eye irritation. (rabbit)
Sensitization	Non-sensitizing.

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**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

Toxicity to Fish	LC50 (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) 24 mg/l Exposure time: 96 h
Toxicity to daphnia	EC50 (Water flea ( <i>Daphnia magna</i> )) 0.25 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient.
Toxicity to algae	EC50 ( <i>Scenedesmus subspicatus</i> ) 12.8 mg/l Exposure time: 72 h

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**13. DISPOSAL CONSIDERATIONS****Product**

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

**Contaminated packaging**

Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times.

Add washings to sprayer at time of filling.

Dispose of empty and cleaned packaging safely.

Large containers (> 25 l or > 25 kg) should not be rinsed or re-used for any other purpose.

Return large containers to supplier.

Follow advice on product label and/or leaflet.

**Waste key for the unused product**

020108 agrochemical waste containing dangerous substances

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**14. TRANSPORT INFORMATION****ADR/RID/ADNR**

UN-Number	<b>3082</b>
Labels	9
Packaging group	III
Hazard no.	90
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.



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**IMDG**

UN-Number	<b>3082</b>
Labels	9
Packaging group	III
EmS	F-A , S-F
Marine pollutant	Marine pollutant
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IPRODIONE SOLUTION)

**IATA**

UN-Number	<b>3082</b>
Labels	9
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IPRODIONE SOLUTION )

**UK 'Carriage' Regulations**

UN-Number	<b>3082</b>
Labels	9
Packaging group	III
Hazard no.	90
Emergency action code	3Z
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IPRODIONE SOLUTION)

**15. REGULATORY INFORMATION**

**This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3 and any subsequent amendments.**

Classification:

Hazard warning labelling compulsory

Hazardous components which must be listed on the label:

- Iprodione

Symbol(s)

Xn	Harmful
N	Dangerous for the environment

R-phrase(s)

R40	Limited evidence of a carcinogenic effect.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S35	This material and its container must be disposed of in a safe way.
S36/37	Wear suitable protective clothing and gloves.
S57	Use appropriate container to avoid environmental contamination.

Exceptional labelling

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



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Further information  
WHO-classification: III (Slightly hazardous)

## 16. OTHER INFORMATION

### Further information

Text of R phrases mentioned in Section 3:

R22	Harmful if swallowed.
R36	Irritating to eyes.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.
R50/53	Very toxic 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.

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.