



BRAND LOGO/NAME
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Carial[®] Flex

syngenta.

GROUP 40/27 FUNGICIDES



Product registration number: MAPP 16629
UFI: CDNR-Y57E-3001-SWDW

A water dispersible granule containing 250 g/kg
mandipropamid and 180 g/kg cyoxanil.

For the control of Foliar blight (*Phytophthora infestans*)
in potatoes.

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

Syngenta UK Limited
CPC 4, Capital Park, Fulbourn, Cambridge CB21 5XE
Tel: Cambridge (01223) 883400

**In case of toxic or transport emergency ring
0044 (0) 1484 538444 any time**

PROTECT FROM FROST. SHAKE WELL BEFORE USE

SAFETY PRECAUTIONS

(a) Operator protection

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

WEAR SUITABLE PROTECTIVE GLOVES when handling
the product or handling contaminated surfaces.

5 kg

However engineering controls may replace personal
protective equipment if COSHH assessment shows that
they provide an equal or higher standard of protection.
WASH CONCENTRATE from skin immediately.
WASH HANDS AND EXPOSED SKIN before eating,
drinking and after work.
IF YOU FEEL UNWELL, seek medical advice (show
label where possible).

(b) Environmental protection

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.

(c) Storage and disposal

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

DO NOT RE-USE CONTAINER for any purpose
RINSE CONTAINER THOROUGHLY by using an
integrated pressure rinsing device or manually rinsing
three times. Add washings to sprayer at time of filling
and dispose of safely.

Product names marked ® or ™, the ALLIANCE FRAME
the SYNGENTA Logo and the PURPOSE ICON
are Trademarks of a Syngenta Group Company

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This product label is
compliant with the CPA
Voluntary Initiative
(VI) guidance.



L1093627 GBRI/09A PPE 4170096 1615/2014

KEEP 50x20mm AREA CLEAR FOR BARCODE

**L & PPE numbers must be kept close
to this unprinted barcode area, with
a white background behind them**

CARIAL® Flex

A water dispersible granule containing 250 g/kg mandipropamid and 180 g/kg cymoxanil.

**Signal Word**

Warning

Hazard

Harmful if swallowed.

Statements

Suspected of damaging fertility. Suspected of damaging the unborn child.
May cause damage to organs (blood, thymus) through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

Precautions

Keep out of reach of children.

Statements

Obtain special instructions before use.
Do not breathe dust/fume/gas/mist/vapours/spray.
Do not eat, drink or smoke when using this product.
Wear suitable protective clothing and gloves.
IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
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 empty clean 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.

Supplemental Information

Contains cymoxanil. May produce an allergic reaction.

MAPP 16629 UFI: CDNR-Y57E-3001-SWDW

IMPORTANT INFORMATION

FOR USE ONLY AS A FUNGICIDE

Crops/situations:	Maximum individual dose: (kg product / ha)	Maximum total dose:	Maximum number of treatments: (per crop)	Latest time of application:
Potato	0.6	-	6	7 days before harvest

Other specific restriction:

Application may only be made between 1 May and 31 August.

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.

This leaflet is part of the approved Product Label.

DIRECTIONS FOR USE

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

CARIAL FLEX can be used on all varieties of potatoes including seed potatoes.

PROPERTIES OF CARIAL FLEX

CARIAL FLEX is a foliar fungicide for the preventative control of late blight (*Phytophthora infestans*) in potatoes and is highly active against spore germination. Uptake into the leaf tissue assures good translaminar and local systemic activity and inhibits mycelial growth during the incubation period whilst also giving some limited curative activity.

DISEASE CONTROLLED

Control of Foliar blight (*Phytophthora infestans*) in potatoes.

BACKGROUND TO POTATO BLIGHT CONTROL

Late blight (*Phytophthora infestans*) is potentially a devastating disease of potatoes. In commercial production, a season long **disease prevention** policy is essential. First of all ensure that other control methods are being satisfactorily applied:

1. Prevent re-growth on potato dumps.
2. Destroy all groundkeepers.
3. Plant disease free seed.
4. Use generous soil ridges to protect tubers.

Integrate this approach with a fungicide programme :

Early Crops

In first and second early potato crops, particularly those grown in the same locality as main crop potatoes, an adequate and full blight protection programme should be applied right up to harvesting or haulm desiccation. This will protect the early crop while helping to reduce disease risk to later crops.

Maincrops

Disease prevention programmes require regular and season long fungicide use to limit foliar blight development. However, as an effective fungicide programme will preserve leaf area there may be more risk of infecting tubers at harvest, particularly during "heavy" blight years. Completion of the control programme should therefore include a complete haulm desiccant. Lifting of the crop should not take place for at least 10 days after **COMPLETE KILL** of the haulm. Crops intended for storage should not be lifted while there is any green tissue **AT ALL** on the leaves or stem bases.

Blight Risk Assessment

The risk of disease is affected by **weather conditions** (during the crop life) and **crop location**:

Weather Conditions - Spread of disease occurs under warm, humid conditions. Preferably use a reliable decision support system to determine what frequency of fungicide treatment is appropriate and fungicide type required.

Note: Blight forecasting has often been based on the occurrence of "Smith periods". A "Smith period" is a 48 hour period in which the minimum temperature is 10°C or more, and the relative humidity exceeds 90% for at least 11 hours during the first 24 hours and for at least 11 hours again during the final 24 hours. However, any period of warm, humid weather increases blight risk.

Crop Location - Locations with the highest probability of blight problems are:

1. Areas of the country where extensive main crop or early production takes place e.g. East Anglia, the south west or the west.
2. Areas where climatic conditions that encourage disease development occur on a frequent basis e.g. The south west, the west and the Fens.

TIMING

CARIAL FLEX is a protectant and curative fungicide so following good agricultural practice the programme should start BEFORE blight enters the crop. Commence spraying at the first blight warning or when local weather conditions are favourable for the disease. However applications 1 day after an infection event has occurred have shown to give good levels of control.

Intervals between applications of CARIAL FLEX should be reduced as blight risk increases, so that **protection** of the crop can be maintained.

Applications of CARIAL FLEX should be made at 7-10 day intervals depending on disease pressure. As disease pressure and the risk of late blight infection increase the interval should be shortened.

Rates of Use

Apply CARIAL FLEX at 0.6 kg product per hectare. Up to six applications may be made per crop. Allow a minimum of 7 days between applications.

Applications of CARIAL FLEX can be made up to 7 days before harvest.

MIXING AND SPRAYING

Spray Volume

Apply CARIAL FLEX in a recommended 200-600 litres of water per hectare

Spray Nozzles

A medium quality spray* is preferred for application of CARIAL FLEX (* as defined by The British Crop Protection Council). A spray pressure of 2 - 3 bar is recommended.

Mixing

Make sure the sprayer is clean and set to give an even application at the correct volume

Fill the spray tank with half the required volume of clean water and start agitation. Add the required amount of CARIAL FLEX and continue agitation whilst adding the rest of the water.

Agitate the mixture thoroughly before use and continue agitation during spraying and any stoppages

Thoroughly wash all spray equipment with water immediately after use

Do not leave the spray liquid in the sprayer for long periods (such as during meal breaks or overnight).

THESE PAGES CAN BE ADDED OR REMOVED AS NECESSARY
TO CREATE A 4, 8, 12, 16 OR 20 PAGE BOOKLET

RESISTANCE MANAGEMENT

CARIAL FLEX contains mandipropamid, a CAA fungicide (FRAC code no. 40) and cymoxanil, a cyanoacetamideoxime fungicide (FRAC code no. 27).. To minimise the risk of resistance development in the pathogen population the following guidelines for blight fungicides (based on an average number of 12 fungicide applications/season for blight control) should be followed:-

1. Where possible, use an alternating strategy using fungicides from different mode of action groups.
2. Where CAA fungicides are applied as a mixture (co-formulated or as a tank mix) up to six applications (or max. of 50% of the total number of applications) may be made per crop or season.
3. No more than 3 applications of any CAA fungicide should be made consecutively.
4. Further information on suitable tank mix products and resistance management strategies is available from FRAG and BPC websites.

This product is to be used only in accordance with the recommendations and instructions given on the label provided with this pack.

SAFETY PRECAUTIONS

(a) Operator protection

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

WEAR SUITABLE PROTECTIVE GLOVES when handling the product or handling contaminated surfaces

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

WASH CONCENTRATE from skin immediately

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

IF YOU FEEL UNWELL, seek medical advice (show label where possible)

(b) Environmental protection

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.

(c) Storage and disposal

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

DO NOT RE-USE CONTAINER for any purpose

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times.

Add washings to sprayer at time of filling and dispose of safely.

MAXIMUM PRINT AREA
109 X 118 MM

Section 6 of the Health and Safety at Work Act

Additional Product Safety Information

(This section does not form part of the product label under the Plant Protection Products Regulations 1995.)

The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has 'Extension of Use' approval or is otherwise permitted under the Plant Protection Products Regulations.

The information on this label is based on the best available information including data from test results.

Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name CARIAL FLEX
Design Code A16520B

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

Use Fungicide

1.3 Details of the supplier of the safety data sheet Company

Company Syngenta UK Ltd
CPC4/Capital Park
Fulbourn, Cambridge
CB21 5XE
Telephone +44 (0) 1223 883400
Telefax +44 (0) 1223 882195
Website www.syngenta.co.uk

1.4 Emergency telephone number

Emergency telephone number +44 (0) 1484 538444 (24h)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EU) 1272/2008

Acute toxicity (Oral)	Category 4	H302
Reproductive toxicity	Category 2	H361fd
Specific target organ toxicity – repeated exposure	Category 2	H373
Chronic aquatic toxicity	Category 1	H410

2.2 Label elements

Labelling: Regulation (EC) No. 1272/2008

Hazard pictograms



Signal Word	Warning	
Hazard Statements	H302 Harmful if swallowed. H361D Suspected of damaging fertility. Suspected of damaging the unborn child. H373 May cause damage to organs (blood, thymus) through prolonged or repeated exposure.	
Precautions Statements	H412 Harmful to aquatic life with long lasting effects. P102 Keep out of reach of children. P201 Obtain special instructions before use. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P270 Do not eat, drink or smoke when using this product. P280 Wear suitable protective clothing and gloves P301/312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P308/313 IF exposed or concerned; Get medical advice/attention. P391 Collect spillage P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste	
Supplemental Information	EUH401 To avoid risks to human health and the environment comply with the instructions for use. EUH208 Contains cymoxanil. May produce an allergic reaction.	

Hazardous components which must be listed on the label:

- cymoxanil

2.3 Other hazards

May form flammable dust-air mixture.

MAXIMUM PRINT AREA

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC No. Registration number	Classification (REGULATION (EC) No 1272/2008	Concentration
mandipropamid	374726-62-2	Aquatic Acute1; H400 Aquatic Chronic1; H410	25 % w/w
cymoxanil	57966-95-7 261-043-0	Acute Tox.4; H302 Skin Sens.1; H317 Repr.2; H361fd STOT RE2: H373 Aquatic Acute1; H400 Aquatic Chronic1; H410	18 % W/W
poly(oxy-1,2-eth anediyl), al- pha-sulfo-omeg a-[tris(1-phenyle- thyl)phenoxy]-, ammonium salt	119432-41-6 137672-70-9	Aquatic Chronic3; H412	1 - 5 % W/W
citric acid	77-92-9 201-069-1	Eye Irrit.2; H319	1 - 5 % W/W

Substances for which there are Community workplace exposure limits.

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

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

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(INCLUDING GLUE PAGE)

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Have the product container, label or Material Safety Data Sheet with you when calling the Syngenta emergency number, a poison control centre or physician, or going for treatment.

Inhalation: Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control centre immediately.

Skin contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Medical advice: There is no specific antidote available. Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media - small fires

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires

Use alcohol-resistant foam or water spray.

Do not use a solid water stream as it may scatter and spread fire.

5.2 Specific hazards arising from the substance or mixture

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Wear full protective clothing and self-contained breathing apparatus.

Do not allow run-off from fire fighting to enter drains or water courses.

Cool closed containers exposed to fire with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8. Avoid dust formation.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). If the product contaminates rivers and lakes or drains inform respective authorities.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

Refer to disposal considerations listed in section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

No special protective measures against fire required. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Use only in an area containing flame proof equipment. Take precautionary measures against static discharges. For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities

No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from combustible material. Keep in an area equipped with sprinklers. Keep away from food, drink and animal feedingstuffs. No smoking.

7.3 Specific end use(s)

Registered Crop Protection products: For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	Exposure limit(s)	Type of exposure limit	Source
mandipropamid	10 mg/m ³	8 h TWA	SYNGENTA
cymoxanil	2 mg/m ³	8 h TWA	SYNGENTA

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation and packaging of the product.

8.2 Exposure controls

Engineering measures: Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapors are generated, use local exhaust ventilation controls.

Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Where necessary, seek additional occupational hygiene advice.

Protective measures: The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards.

Respiratory protection: No personal respiratory protective equipment normally required. A particulate filter respirator may be necessary until effective technical measures are installed.

Hand protection: Chemical resistant gloves are not usually required. Select gloves based on the physical job requirements.

Eye protection: Eye protection is not usually required. Follow any site specific eye protection policies.

Skin and body protection: No special protective equipment required. Select skin and body protection based on the physical job requirements.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Solid
Form:	Granules
Colour:	Beige to brown
Odour:	Chalky
Odour Threshold:	No data available
pH:	3 - 7 at 1% w/v
Melting point/range:	No data available
Boiling Point/Boiling Range:	No data available
Flash-Point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	Not highly flammable
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Density:	No data available
Solubility in other solvents:	No data available
Partition Coefficient	No data available
n-octanol/water	
Auto-ignition temperature:	188 °C
Thermal decomposition :	No data available
Viscosity, dynamic:	No data available
Viscosity, kinematic:	No data available
Explosive Properties:	Not explosive
Oxidising properties:	Not oxidising

9.2 Other Information

Minimum ignition temperature:	380 °C
Dust explosion class:	Forms flammable dust clouds
Minimum ignition energy:	3 - 10 mJ
Bulk density:	0.4 – 0.6 g/cm³
Miscibility:	miscible
Burning number:	5 at 20 °C
	5 at 100 °C

SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity:** See Section 10.3 "Possibility of hazardous reactions".
- 10.2 Chemical stability:** The product is stable when used in normal conditions.
- 10.3 Possibility of hazardous reactions:** No hazardous reactions by normal handling and storage according to provisions.
- 10.4 Conditions to avoid:** No decomposition if used as directed.
- 10.5 Incompatible materials:** No substances are known which lead to the formation of hazardous substances or thermal reactions.
- 10.6 Hazardous decomposition products:** Combustion or thermal decomposition will evolve toxic and irritant vapours.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- Acute oral toxicity:** LD50 female rat, 1,049 mg/kg
- Acute inhalation toxicity:** LC50 rat, > 5.03 mg/l, 4 h
- Acute dermal toxicity:** LD50 male and female rat, > 2,000 mg/kg
- Skin corrosion/irritation:** rabbit: Mildly irritating
- Serious eye damage/eye irritation:** rabbit: Minimally irritating
- Respiratory or skin sensitisation:** Buehler Test guinea pig: Not a skin sensitizer in animal tests
- Germ cell mutagenicity**
- mandipropamid:** Did not show mutagenic effects in animal experiments.
- cymoxanil:** Did not show mutagenic effects in animal experiments.
- Carcinogenicity**
- mandipropamid:** Did not show carcinogenic effects in animal experiments.
- cymoxanil:** Did not show carcinogenic effects in animal experiments.
- Teratogenicity**
- mandipropamid:** Did not show teratogenic effects in animal experiments.
- Reproductive toxicity**
- mandipropamid:** Did not show reproductive toxicity effects in animal experiments.
- cymoxanil:** Suspected of damaging fertility. Suspected of damaging the unborn child.
- STOT – single exposure:**
- cymoxanil:** The substance or mixture is not classified as specific target organ toxicant, single exposure.
- STOT – repeated exposure**
- mandipropamid:** No adverse effect has been observed in chronic toxicity tests.
- cymoxanil:** May cause damage to organs (blood, thymus) through prolonged or repeated exposure.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

- Toxicity to fish:** LC50 *Oncorhynchus mykiss* (rainbow trout), 32 mg/l, 96h
- Toxicity to aquatic invertebrates:** EC50 *Daphnia magna* (Water flea), > 100 mg/l, 48h
- Toxicity to aquatic plants:** EbC50 *Pseudokirchneriella subcapitata* (green algae), 98 mg/l, 96 h
- ErC50 *Pseudokirchneriella subcapitata* (green algae), 24 mg/l, 96 h

12.2 Persistence and degradability

Biodegradability

Mandipropamid:

Not readily biodegradable.

Cymoxanil:

Not readily biodegradable.

Citric acid:

No data available

Stability in water

Mandipropamid:

Degradation half life: 4.5 - 26 d. Not persistent in water

Cymoxanil:

Degradation half life: <1 d. Not persistent in water

Stability in soil

Mandipropamid:

Degradation half life: 26 - 178 d. Not persistent in soil

Cymoxanil:

Degradation half life: 0.9 - 9 h. Not persistent in soil

12.3 Bioaccumulative potential

Mandipropamid:

low potential for bioaccumulation.

Cymoxanil:

low potential for bioaccumulation.

poly(oxy-1,2-ethanediyl),
al-pha-sulfo-omega-[tris
(1-phe nylethyl)phenoxy]-,

ammonium salt:

No data available

Citric acid:

No data available

12.4 Mobility in soil

Mandipropamid:

Low mobility in soil.

Cymoxanil:

Medium mobility in soil.

poly(oxy-1,2-ethanediyl),
al-pha-sulfo-omega-[tris
(1-phe nylethyl)phenoxy]-,

ammonium salt:

No data available

Citric acid:

No data available

12.5 Results of PBT and vPvB assessment

Mandipropamid, Cymoxanil:

These substances are not considered to be persistent, bioaccumulating nor toxic (PBT).

These substances are not considered to be very persistent nor very bioaccumulating (vPvB).

poly(oxy-1,2-ethanediyl),
al-pha-sulfo-omega-[tris
(1-phe nylethyl)phenoxy]-,

ammonium salt:

No data available

Citric acid:

No data available

12.6 Other adverse effects

Classification of the product is based on the summation of the concentrations of classified components.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging: Empty remaining contents. Triple rinse containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

Land transport (ADR/RID)

14.1	UN Number	:	UN 3077
14.2	UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MANDIPROPAMID AND CYMOXANIL)
14.3	Transport hazard class(es)	:	9
14.4	Packing Group	:	III
	Labels	:	9
14.5	Environmental hazards	:	Environmentally hazardous

Sea transport (IMDG)

14.1	UN Number	:	UN 3077
14.2	UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MANDIPROPAMID AND CYMOXANIL)
14.3	Transport hazard class(es)	:	9
14.4	Packing Group	:	III
	Labels	:	9
14.5	Environmental hazards	:	Marine pollutant

Air transport (IATA-DGR)

14.1	UN Number	:	UN 3077
14.2	UN proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MANDIPROPAMID AND CYMOXANIL)
14.3	Transport hazard class(es)	:	9
14.4	Packing Group	:	III
	Labels	:	9

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture
GHS-Labeling

THESE PAGES CAN BE ADDED OR REMOVED AS NECESSARY

Hazard pictograms

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(INCLUDING GLUE PAGE)



Signal Word

Warning

Hazard

Statements

H302

Harmful if swallowed.

H361fd

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

H373

May cause damage to organs (blood, thymus) through prolonged or repeated exposure.

H412

Harmful to aquatic life with long lasting effects.

Precautions

Statements

P102

Keep out of reach of children.

P201

Obtain special instructions before use.

P260

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

P270

Do not eat, drink or smoke when using this product.

P280

Wear suitable protective clothing and gloves

P301/312

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P308/313

IF exposed or concerned: Get medical advice/attention.

P391

Collect spillage

P501

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

Supplemental

Information

EUH401

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

EUH208

Contains cymoxanil. May produce an allergic reaction.

Remarks:

Classified using all GHS hazard classes and categories.

Where the GHS contains options, the most conservative option has been chosen.

Regional or national implementations of GHS may not implement all hazard classes and categories.

Hazardous components which must be listed on the label:

- cymoxanil

15.2 Chemical Safety Assessment

A chemical safety assessment is not required for this substance.

SECTION 16. OTHER INFORMATION

Approval number, MAPP 16629.

Use plant protection products safely. Always read the label and product information before use.

Based upon SDS release dated 27/02/2015, version 5 with local amendment.

Full text of H-statements referred to under sections 2 and 3:

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
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.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Product names are a trademark or registered trademark of a Syngenta Group Company.

MAXIMUM PRINT AREA
109 X 118 MM

CARIAL® Flex

A water dispersible granule containing 250 g/kg mandipropamid and 180 g/kg cymoxanil.

**Signal Word**

Warning

Hazard Statements

Harmful if swallowed.
Suspected of damaging fertility. Suspected of damaging the unborn child.
May cause damage to organs (blood, thyroid) through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

Precautions

Keep out of reach of children.

Statements

Obtain special instructions before use.
Do not breathe dust/fume/gas/mist/vapours/spray.
Do not eat, drink or smoke when using this product.
Wear suitable protective clothing and gloves.
IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
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 empty clean 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.
Contains cymoxanil. May produce an allergic reaction.

Supplemental Information

MAPP 16629 UFI: CDNR-Y57E-3001-SWDW

IMPORTANT INFORMATION

FOR USE ONLY AS A FUNGICIDE

Crops/situations:	Maximum individual dose: (kg product / ha)	Maximum total dose:	Maximum number of treatments: (per crop)	Latest time of application:
Potato	0.6	-	6	7 days before harvest

Other specific restriction:

Application may only be made between 1 May and 31 August.

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.

GLUE PAGE

**BASE
NON-PRINTABLE**