



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

CONTROLLA

Revision Date	8-November-2019	Version	2	Product No	JTA/IE/003
Publish Date	8-November-2019				

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	CONTROLLA
Product type	WG (water dispersible granule)

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

Recommended Use	Fungicide
Uses advised against	No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier Address	JT Agro Ltd 126-134 Baker Street, London W1U 6UE, UK. Tel: +44 1628 421 890 Fax: +44 1628 421623
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For further information, please contact

Email address	jaitej@jtagro-cropthetics.co.uk
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1.4. Emergency telephone number

Emergency Telephone	National Chemical Emergency Centre (UK): Tel: + 44 1628 421 890 (24 hours)
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Section 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015:
According to Regulation (EU) 2015/830 (REACH Annex II)**

Serious eye damage/eye irritation	Category 2 (H319)
Skin sensitization	Category 1 (H317)
Reproductive toxicity	Category 2 (H361fd)
Specific target organ toxicity - Repeated exposure	Category 2 (H373)
Hazardous to the aquatic environment - Chronic Hazard	Category 1 (H410)

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

Adverse physiochemical, human health and environmental effects

Suspected of damaging fertility or the unborn child. May cause damage to organs (blood, thymus) through prolonged or repeated exposure. May cause an allergic skin reaction. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word

Warning

Hazard Statements

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 (blood, thymus) through prolonged or repeated exposure.
 H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

P260 - Do not breathe spray
 P273 - Avoid release to the environment
 P280 - Wear protective gloves
 P308+P313 - 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.

EUH-statements

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

2.3. Other hazards

PBT: not relevant - no registration required
 vPvB: not relevant - no registration required

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Chemical Name	CAS No. (EC-No.) (EC Index-No.)	Concentration (%w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
cymoxanil (ISO); 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide	(CAS-No.) 57966-95-7 (EC-No.) 261-043-0 (EC Index-No.) 616-035-00-5	45	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Repr. 2, H361fd STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Mixture of potassium polycarboxylate and ammonium distyryl-phenyl ether sulphate	-	< 20	Eye Irrit. 2, H319 Aquatic Chronic 3, H412
Fumaric Acid	(CAS-No.) 110-17-8 (EC-No.) 203-743-0 (EC Index-No.) 607-146-00-X	< 5	Eye Irrit. 2, H319
Sodium Lauryl Sulphate Mixture	-	< 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Remove contaminated clothes. If you feel unwell, seek medical advice (show the label where possible).

Inhalation

Remove person to fresh air and keep comfortable for breathing.

Skin Contact

Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Call a poison centre or a doctor if you feel unwell. Do not induce vomiting. Do not ingest.

Self-protection of the first aider

Use personal protective equipment as required.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact

May cause an allergic skin reaction.

Symptoms/effects after eye contact

Eye irritation.

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

Suitable extinguishing media Water spray. Dry powder. Foam.

Unsuitable extinguishing media Do not use extinguishing media containing water.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition productions in case of fire

Toxic fumes may be released

5.3. Advice for firefighters

Firefighting instructions Cool closed containers exposed to fire with water spray. Contain the extinguishing fluids by bunding (the product is hazardous for the environment).

Protection during firefighting Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

For emergency responders

Protective equipment Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Do not allow into drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment Collect spillage. Contain the spilled material by bunding (product is hazardous for the environment).

Methods for cleaning up Mechanically recover the product. Notify authorities if product enters sewers or public waters.

Other information Dispose of materials or solid residues at an authorized site.

6.4. Reference to other section

Refer to disposal consideration listed in section 13.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Additional hazards when processed Avoid all eye and skin contact and do not breathe vapour and mist.

Precautions for safe handling Ensure good ventilation of the workstation. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

Hygiene measures Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Store locked up. Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

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.

Protective measures Gloves. Protective clothing. Protective goggles.

Respiratory Protection In case of inadequate ventilation wear respiratory protection.
[In case of inadequate ventilation] wear respiratory protection.

Hand protection Use neoprene gloves. Nitrile rubber gloves.

Eye protection Chemical goggles or safety glasses. Safety glasses

Skin and body protection Wear suitable protective clothing. Rubber boots. Neoprene rubber or butyl rubber suit.



Environmental exposure controls

Avoid release to the environment.

General hygiene considerations

Wash hands with water and soap. Do not eat, drink or smoke when using this product.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
Appearance		
Physical State	Solid (granule)	
Colour	Beige	
Odour	No data available	
Odour threshold	No data available	
pH	≈ 5.47 (1%; Water)	
Melting point/freezing point °C	Not applicable	Not applicable
Boiling point/boiling range °C	No data available	
Flash point °C	No data available	
Evaporation rate	Not applicable	
Upper/lower flammability or explosive properties	No data available	
Vapour pressure kPa	-	Not Applicable
Vapour density	No data available	
Density	≈ 0,88 g/ml	
Solubility in other solvent	No data available	Not Applicable
Partition Coefficient (n-octanol/water) Log Pow		See Section 12 for more information
Autoignition temperature °C	> 267 °C	
Decomposition temperature °C	No data available	
Kinematic viscosity mm²/s 40 °C	No data available	
Explosive properties	Not an explosive	
Oxidizing properties	No oxidation	

9.2. Other information

None

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Acute toxicity

CONTROLLA	<u>Values</u>	<u>Species</u>	<u>Remarks</u>
Acute oral LD50 mg/kg	>2000	Rat	-
Acute dermal LD50 mg/kg	> 2000	Rat	-

cymoxanil (ISO); 2-cyano-N-[(ethylamino) carbonyl]-2-(methoxyimino) acetamide (57966-95-7)	<u>Values</u>	<u>Species</u>	<u>Remarks</u>
Acute oral LD50 mg/kg	>960	Rat	-
Acute dermal LD50 mg/kg	> 2000	Rabbit	-
LC50 inhalation rat (Dust/Mist - mg/l/4h)	>5.6	-	-

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Eye irritation
Respiratory or skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Suspected of damaging fertility. Suspected of damaging the unborn child.
STOT-single exposure	Not classified
STOT-repeated exposure	May cause damage to organs (blood, thymus) through prolonged or repeated exposure.
Aspiration hazard	Not classified

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology-general	Very toxic to aquatic life with long lasting effects.
Acute aquatic toxicity	Not classified
Chronic aquatic toxicity	Very toxic to aquatic life with long lasting effects.

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	<u>Values</u>	<u>Species</u>	<u>Method</u>
Fish LC50 mg/l	> 10	-	-
Daphnia EC50 mg/l	>100	Daphnia magna	-
Algae 72-hour EC50 mg/l	>1	S. Capricornutum	-
Other plants EC50 mg/l	No data available		

cymoxanil (ISO); 2-cyano-N-[(ethylamino) carbonyl]-2-(methoxyimino) acetamide (57966-95-7)

	<u>Values</u>	<u>Species</u>	<u>Method</u>
Fish LC50 mg/l	> 29	-	-
Daphnia EC50 mg/l	>27	Daphnia magna	-
Algae72-hour EC50 mg/l	>0.12	S. Capricornutum	-
NOEC chronic crustacea	0.044	-	-
NOEC chronic fish	0.067	-	-

12.2. Persistence and degradability

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No supplementary information available

cymoxanil (ISO); 2-cyano-N-[(ethylamino) carbonyl]-2-(methoxyimino) acetamide (57966-95-7)

No supplementary information available

12.3. Bio-accumulative potential

cymoxanil (ISO); 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino) acetamide (57966-95-7)

Log Pow	0,59 - 0,67 (pH 5-7)
Bio-accumulative potential	No bioaccumulation.

12.4. Mobility in soil

cymoxanil (ISO); 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino) acetamide (57966-95-7)

Ecology - soil	Biodegradability in soil: no data available.
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12.5. Results of PBT and vPvB assessment

cymoxanil (ISO); 2-cyano-N-[(ethylamino)carbonyl]-2- (methoxyimino) acetamide (57966-95-7)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused product	Dispose of contents/container in accordance with licensed collector's sorting instructions.
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Section 14: TRANSPORTATION INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

IMDG/IMO

14.1 UN/ID No	3077
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil)
14.3 Transport Hazard Class (es)	9
14.4 Packing Group	III
14.5 Transport document description	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil), 9, III, MARINE POLLUTANT
14.6 Marine pollutant	Yes
14.7 Special provision(s) applied	969

RID/ADR

14.1 UN/ID No	3077
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil)
14.3 Transport Hazard Class (es)	9
14.4 Packing Group	III
14.5 Transport document description	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil), 9, III, (-)
14.6 Environmental hazards	Yes
14.7 Special provision(s) applied	375

IATA/ADN

14.1 UN/ID No	3077
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil)
14.3 Transport Hazard Class (es)	9
14.4 Packing Group	III
14.5 Transport document description	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil), 9, III
14.6 Environmental hazards	Yes
14.7 Special provision(s) applied	A197



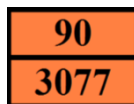
14.6. Special precautions for user

Overland transport

Special provisions (ADR)

274, 335, 375, 601

Orange plates



Transport by sea

No data available

Air transport

No data available

Inland waterway transport

Classification code (ADN)

M7

Number of blue cones/lights (ADN)

0

Additional requirements/Remarks (ADN)

* Only in the molten state. ** For carriage in bulk see also 7.1.4.1. *** Only in the case of transport in bulk.

Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Directive 2012/18/EU (SEVESO III)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Section 16: OTHER INFORMATION

Further information

Product Name: CONTROLLA

Approval number: PCS 06448

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

Data sources

SDS of suppliers.
ECHA (European Chemicals Agency).
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Full text of H- and EUH-statements

Acute Tox. 4 (Oral)	Category 4	Acute toxicity (oral)
Aquatic Acute 1	Category 1	Hazardous to the aquatic environment — Acute Hazard
Aquatic Chronic 1	Category 1	Hazardous to the aquatic environment — Chronic Hazard
Aquatic Chronic 3	Category 3	Hazardous to the aquatic environment — Chronic Hazard
Eye Dam. 1	Category 1	Serious eye damage/eye irritation
Eye Irrit. 2	Category 2	Serious eye damage/eye irritation
Repr. 2	Category 2	Reproductive toxicity
Skin Irrit. 2	Category 2	Skin corrosion/irritation
Skin Sens. 1	Category 1	Skin sensitisation
STOT RE 2	Category 2	Specific target organ toxicity — Repeated exposure
H302	Harmful if swallowed.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
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.	
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP].

Eye Irrit. 2	H319	On basis of test data
Skin Sens. 1	H317	Calculation method
Repr. 2	H361fd	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Chronic 1	H410	On basis of test data

Disclaimer

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.

End of Safety Data Sheet

