SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Trade name : FOLIO GOLD

Design code : A9652B

Product Registration Number : MAPP 14368

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the Substance/Mixture : Fungicide

1.3 Details of the supplier of the safety data sheet
Company : Syngenta UK Limited
CPC4, Capital Park
Fulbourn, Cambridge CB21 5XE
United Kingdom

Telephone : +44 (0) 1223 883400

Telefax : +44 (0) 1223 882195

E-mail address of person responsible for the SDS : customer.services@syngenta.com

1.4 Emergency telephone number
Emergency telephone number : +44 1484 538444

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification (REGULATION (EC) No 1272/2008)
Acute toxicity, Category 4

H332: Harmful if inhaled.

Skin irritation, Category 2

H315: Causes skin irritation.

Eye irritation, Category 2

H319: Causes serious eye irritation.

Skin sensitisation, Sub-category 1A

H317: May cause an allergic skin reaction.

Carcinogenicity, Category 2

H351: Suspected of causing cancer.
Specific target organ toxicity - single exposure, Category 3, Respiratory system
H335: May cause respiratory irritation.

Acute aquatic toxicity, Category 1
H400: Very toxic to aquatic life.

Chronic aquatic toxicity, Category 1
H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms:

Signal word: Warning

Hazard statements:
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H351 Suspected of causing cancer.
- H410 Very toxic to aquatic life with long lasting effects.

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

Precautionary statements:
- P102 Keep out of reach of children.
- P201 Obtain special instructions before use.
- P270 Do not eat, drink or smoke when using this product.

Prevention:
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P281 Use personal protective equipment as required.

Response:
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308 + P313 IF exposed or concerned: Get medical advice/ attention.
- P312 Call a POISON CENTER or doctor/ physician if you feel unwell.
- P391 Collect spillage.

Storage:
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
Disposal:
P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty triple rinsed clean containers which can be disposed of as non-hazardous waste.

2.3 Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>Index-No.</th>
<th>Registration number</th>
<th>Classification</th>
<th>Concentration (% w/w)</th>
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</thead>
<tbody>
<tr>
<td>chlorothalonil (ISO)</td>
<td>1897-45-6</td>
<td>217-588-1</td>
<td>608-014-00-4</td>
<td></td>
<td>Acute Tox. 2; H330 Eye Dam. 1; H318 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410</td>
<td>&gt;= 30 - &lt; 50</td>
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<tr>
<td>metalaxyl-M (ISO)</td>
<td>70630-17-0</td>
<td>612-163-00-0</td>
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<td></td>
<td>Acute Tox. 4; H302 Eye Dam. 1; H318</td>
<td>&gt;= 1 - &lt; 3</td>
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<td>1,2-benzisothiazol-3(2H)-one</td>
<td>2634-33-5</td>
<td>220-120-9</td>
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<td>Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400</td>
<td>&lt; 0.05</td>
</tr>
</tbody>
</table>

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

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

If inhaled : 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.

In case of 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.

In case of 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.

If swallowed:
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:
Nonspecific
No symptoms known or expected.

4.3 Indication of any immediate medical attention and special treatment needed
Treatment:
There is no specific antidote available.
Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media:
Extinguishing media - small fires
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media - large fires
Alcohol-resistant foam or Water spray

Unsuitable extinguishing media:
Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture
Specific hazards during firefighting:
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
Special protective equipment for firefighters:
Wear full protective clothing and self-contained breathing apparatus.
Further information: 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
Personal precautions: Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions
Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up
Methods for 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). Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Retain and dispose of contaminated wash water.

6.4 Reference to other sections
For disposal considerations see section 13., Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Advice on safe handling: No special protective measures against fire required. Avoid contact with skin and eyes. When using do not eat, drink or smoke. For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage areas and containers: 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 food, drink and animal feedingstuffs.

7.3 Specific end use(s)
Specific use(s): 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

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Basis</th>
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</thead>
<tbody>
<tr>
<td>chlorothalonil (ISO)</td>
<td>1897-45-6</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>Syngenta</td>
</tr>
<tr>
<td>propane-1,2-diol</td>
<td>57-55-6</td>
<td>TWA (particles)</td>
<td>10 mg/m³</td>
<td>GB EH40</td>
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</table>

Further information: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>metalaxyl-M (ISO)</td>
<td>70630-17-0</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Syngenta</td>
</tr>
</tbody>
</table>

Further information: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.

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.

Maintain air concentrations below occupational exposure standards.
Where necessary, seek additional occupational hygiene advice.

Personal protective equipment

Eye protection:
Tightly fitting safety goggles
Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.
Use eye protection according to EN 166.

Hand protection

Material: Nitrile rubber
Break through time: > 480 min
Glove length: 0.5 mm

Remarks: Wear protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The breakthrough time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Remove and wash contaminated clothing before re-use. Wear as appropriate:
- Dust impervious protective suit

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Suitable respiratory equipment:
- Respirator with a particle filter (EN 143)
- The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Filter type: Particulates type (P)

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.

SECTION 9: Physical and chemical properties
9.1 Information on basic physical and chemical properties

Appearance: liquid

Colour: beige to grey

Odour: characteristic

Odour Threshold: No data available

pH: 5 - 9
   Concentration: 1 % w/v

Melting point/range: No data available

Boiling point/boiling range: No data available

Flash point: >= 90 °C

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper explosion limit / Upper flammability limit: No data available
**FOLIO GOLD**

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

None reasonably foreseeable.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions:

No dangerous reaction known under conditions of normal use.

**10.4 Conditions to avoid**

Conditions to avoid:

No decomposition if used as directed.

**10.5 Incompatible materials**

Materials to avoid:

None known.
10.6 Hazardous decomposition products

Hazardous decomposition products: No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of exposure

- Ingestion
- Inhalation
- Skin contact
- Eye contact

Acute toxicity

Product:

Acute oral toxicity

LD50 (Rat, male): > 3,000 mg/kg
LD50 (Rat, female): > 2,000 - < 3,000 mg/kg
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity

LC50 (Rat, male and female): > 1.20 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The component/mixture is moderately toxic after short term inhalation. The substance/mixture is not toxic on inhalation as defined by dangerous goods regulations.

Acute dermal toxicity

LD50 (Rat, male and female): > 4,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

Components:

chlorothalonil (ISO):

Acute oral toxicity

LD50 (Rat, male and female): > 5,000 mg/kg

Acute inhalation toxicity

LC50 (Rat, male and female): 0.10 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity

LD50 (Rat, male and female): > 5,000 mg/kg

metalaxyl-M (ISO):

Acute oral toxicity

LD50 (Rat, male): 953 mg/kg
FOLIO GOLD

LD50 (Rat, female): 375 mg/kg

Acute inhalation toxicity: LC50 (Rat, male and female): > 2.29 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Highest attainable concentration

Acute dermal toxicity: LD50 (Rat, male and female): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

1,2-benzisothiazol-3(2H)-one:
Acute oral toxicity: LD50 (Rat): 1,020 mg/kg

Skin corrosion/irritation

Product:
Species: Rabbit
Result: Irritating to skin.

Components:
chlorothalonil (ISO):
Species: Rabbit
Result: No skin irritation

metalaxyl-M (ISO):
Species: Rabbit
Result: No skin irritation

1,2-benzisothiazol-3(2H)-one:
Result: Irritating to skin.

Serious eye damage/eye irritation

Product:
Species: Rabbit
Result: Irritating to eyes.

Components:
chlorothalonil (ISO):
Species: Rabbit
Result: Risk of serious damage to eyes.

metalaxyl-M (ISO):
Species: Rabbit
Result : Risk of serious damage to eyes.

1,2-benzisothiazol-3(2H)-one:
Result : Risk of serious damage to eyes.

Respiratory or skin sensitisation

Product:
Test Type : Maximisation Test
Species : Guinea pig
Result : The product is a skin sensitisier, sub-category 1A.

Components:
chlorothalonil (ISO):
Species : Guinea pig
Result : May cause sensitisation by skin contact.
Remarks : In very rare cases may cause an allergic response of the respiratory system.

metalaxyl-M (ISO):
Species : Guinea pig
Result : Did not cause sensitisation on laboratory animals.

1,2-benzisothiazol-3(2H)-one:
Result : Probability or evidence of skin sensitisation in humans

Germ cell mutagenicity

Components:
chlorothalonil (ISO):
Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects.

metalaxyl-M (ISO):
Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects.

Carcinogenicity

Product:
Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

Components:
chlorothalonil (ISO):
Carcinogenicity - Assessment : Chlorothalonil causes kidney tumours in rats and mice via a non-gentoxic mode of action secondary to target organ toxicity.
Limited evidence of carcinogenicity in animal studies

**metalaxyl-M (ISO):**
Carcinogenicity - Assessment: No evidence of carcinogenicity in animal studies.

**Reproductive toxicity**

**Components:**

**chlorothalonil (ISO):**
Reproductive toxicity - Assessment: No toxicity to reproduction

**metalaxyl-M (ISO):**
Reproductive toxicity - Assessment: No toxicity to reproduction

**STOT - single exposure**

**Product:**
Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

**Components:**

**chlorothalonil (ISO):**
Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

**STOT - repeated exposure**

**Components:**

**metalaxyl-M (ISO):**
Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Repeated dose toxicity**

**Components:**

**chlorothalonil (ISO):**
Remarks: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Product:**
Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 0.09 mg/l
Toxicity to daphnia and other aquatic invertebrates:
- EC50 (Daphnia magna (Water flea)): 0.58 mg/l
- Exposure time: 48 h

Toxicity to algae:
- ErC50 (Pseudokirchneriella subcapitata (green algae)): 57 mg/l
- Exposure time: 72 h

**Ecotoxicology Assessment**

**Chronic aquatic toxicity**
- Very toxic to aquatic life with long lasting effects.
- Classification of the product is based on the summation of the concentrations of classified components.

**Components:**

**chlorothalonil (ISO):**

Toxicity to fish:
- LC50 (Oncorhynchus mykiss (rainbow trout)): 0.039 mg/l
- Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:
- EC50 (Daphnia magna (Water flea)): 0.07 mg/l
- Exposure time: 48 h

Toxicity to algae:
- ErC50 (Navicula pelliculosa (Freshwater diatom)): 0.02 mg/l
- Exposure time: 96 h

- NOEC (Navicula pelliculosa (Freshwater diatom)): 0.0035 mg/l
- End point: Growth rate
- Exposure time: 96 h

- ErC50 (Skeletonema costatum (marine diatom)): 0.017 mg/l
- Exposure time: 96 h

- NOEC (Skeletonema costatum (marine diatom)): 0.012 mg/l
- End point: Growth rate
- Exposure time: 96 h

**M-Factor (Acute aquatic toxicity):**
- 10

Toxicity to fish (Chronic toxicity):
- NOEC: 0.003 mg/l
- Exposure time: 297 d
- Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):
- NOEC: 0.035 mg/l
- Exposure time: 21 d
- Species: Daphnia magna (Water flea)

- NOEC: 0.00083 mg/l
- Exposure time: 28 d
- Species: Americamysis bahia (Mysid shrimp)
M-Factor (Chronic aquatic toxicity) : 10

metalaxyl-M (ISO):
Toxicity to fish :
LC50 (Onchorhynchus mykiss (rainbow trout)) : > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates :
EC50 (Daphnia magna (Water flea)) : > 100 mg/l
Exposure time: 48 h

Toxicity to algae :
ErC50 (Pseudokirchneriella subcapitata (green algae)) : 271 mg/l
Exposure time: 96 h
NOEC (Pseudokirchneriella subcapitata (green algae)) : 19.7 mg/l
End point: Growth rate
Exposure time: 96 h

Toxicity to microorganisms :
EC50 (activated sludge) : > 100 mg/l
Exposure time: 3 h

Toxicity to fish (Chronic toxicity) :
NOEC: 50 mg/l
Exposure time: 28 d
Species: Onchorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) :
NOEC: 25 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

1,2-benzisothiazol-3(2H)-one:
Ecotoxicology Assessment
Acute aquatic toxicity : Very toxic to aquatic life.

12.2 Persistence and degradability

Components:
chlorothalonil (ISO):
Stability in water : Degradation half life: < 5 d (20 °C)
Remarks: Product is not persistent.

metalaxyl-M (ISO):
Biodegradability : Result: Not readily biodegradable.
Stability in water : Degradation half life: 22.4 - 47.5 d
Remarks: Product is not persistent.
12.3 Bioaccumulative potential

**Components:**

**chlorothalonil (ISO):**

- Bioaccumulation:
  - Remarks: Low bioaccumulation potential.
  - Partition coefficient: n-octanol/water: log Pow: 2.94 (25 °C)

**metalaxyl-M (ISO):**

- Bioaccumulation:
  - Remarks: Low bioaccumulation potential.
  - Partition coefficient: n-octanol/water: log Pow: 1.71 (25 °C)

12.4 Mobility in soil

**Components:**

**chlorothalonil (ISO):**

- Distribution among environmental compartments: Remarks: Chlorothalonil has low to slight mobility in soil.
- Stability in soil:
  - Dissipation time: 7 d
  - Percentage dissipation: 50 % (DT50)
  - Remarks: Product is not persistent.

**metalaxyl-M (ISO):**

- Distribution among environmental compartments: Remarks: Metalaxyl has a range from low to very high mobility in soil depending on soil type.
- Stability in soil:
  - Dissipation time: < 50 d
  - Percentage dissipation: 50 % (DT50)
  - Remarks: Product is not persistent.

12.5 Results of PBT and vPvB assessment

**Product:**

- Assessment:
  - This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Components:**

**chlorothalonil (ISO):**

- Assessment:
  - This substance is not considered to be very persistent and very bioaccumulating (vPvB). This substance is not considered to be persistent, bioaccumulating and toxic (PBT).
metalaxyl-M (ISO):
Assessment

: This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects
No data available

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.

Waste Code

: 150110, packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information
14.1 UN number

ADN

: UN 3082
ADR

: UN 3082
RID

: UN 3082
IMDG

: UN 3082
IATA

: UN 3082

14.2 UN proper shipping name

ADN

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(CHLOROTHALONIL)
ADR

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(CHLOROTHALONIL)
RID

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class(es)

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<tbody>
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14.4 Packing group

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<tbody>
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</table>
14.5 Environmental hazards

**ADN**
Environmentally hazardous: yes

**ADR**
Environmentally hazardous: yes

**RID**
Environmentally hazardous: yes

**IMDG**
Marine pollutant: yes

**IATA (Passenger)**
Environmentally hazardous: yes

**IATA (Cargo)**
Environmentally hazardous: yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

Regulation (EC) No 850/2004 on persistent organic pollutants


<table>
<thead>
<tr>
<th>E1</th>
<th>ENVIRONMENTAL HAZARDS</th>
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<tbody>
<tr>
<td></td>
<td>Quantity 1: 100 t</td>
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<tr>
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<td>Quantity 2: 200 t</td>
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Other regulations:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Use plant protection products safely. Always read the label and product information before use.
Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

15.2 Chemical safety assessment
A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

SECTION 16: Other information
Full text of H-Statements

H302 : Harmful if swallowed.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H330 : Fatal if inhaled.
H335 : May cause respiratory irritation.
H351 : Suspected of causing cancer.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations
Acute Tox. : Acute toxicity
Aquatic Acute : Acute aquatic toxicity
Aquatic Chronic : Chronic aquatic toxicity
Carc. : Carcinogenicity
Eye Dam. : Serious eye damage
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitisation
STOT SE : Specific target organ toxicity - single exposure
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECl - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal
Further information

Classification of the mixture:  Classification procedure:
Acute Tox. 4  H332  On basis of test data.
Skin Irrit. 2  H315  On basis of test data.
Eye Irrit. 2  H319  On basis of test data.
Skin Sens. 1A  H317  On basis of test data.
Carc. 2  H351  On basis of test data.
STOT SE 3  H335  On basis of test data.
Aquatic Acute 1  H400  On basis of test data.
Aquatic Chronic 1  H410  On basis of test data.

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.

GB / EN