

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

AMBICIDE

Version 1.0 Revision Date: 18.07.2018 SDS Number: 103000008394 Date of last issue: -
Country / Language: GB / EN(GB)

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

1.1 Product identifier

Trade name : AMBICIDE
Product code : 57783863

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

Use of the Sub-stance/Mixture : Disinfectants

1.3 Details of the supplier of the safety data sheet

Supplier : Antec International Limited
Windham Road
Chilton Industrial Estate
CO10 2XD Sudbury / Suffolk, United Kingdom
Telephone : +4922188852288
E-mail address of person responsible for the SDS : infosds@lanxess.com

1.4 Emergency telephone number

0870 190 6777. National Chemical Emergency Centre

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H302: Harmful if swallowed.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Acute aquatic toxicity, Category 1	H400: Very toxic to aquatic life.
Chronic aquatic toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements


Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	Prevention: P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P280 Wear protective gloves/ eye protection/ face protection. Response: P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

didecyldimethylammonium chloride
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
l-(+)-lactic acid

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

Hazardous components

Chemical name	CAS-No.	Classification	Concentration
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	EC-No. Index-No. Registration number		(% w/w)
didecyldimethylammonium chloride	7173-51-5 230-525-2 612-131-00-6	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor Aquatic Acute: 10	$\geq 10 - < 20$
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9 219-145-8 01-2119980592-29	Acute Tox. 3; H301 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT RE 2; H373; Kidney Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor Aquatic Acute: 10 M-Factor Aquatic Chronic: 1	$\geq 5 - < 10$
l-(+)-lactic acid	79-33-4 201-196-2 01-2119474164-39	Skin Irrit. 2; H315 Eye Dam. 1; H318	$\geq 3 - < 10$
dodecyldimethylamine	112-18-5 203-943-8	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400	$\geq 0,1 - < 0,25$
dimethyl(tetradecyl)amine	112-75-4 204-002-4	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor Aquatic Acute: 10	$\geq 0,025 - < 0,1$

For explanation of abbreviations see section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No special measures required.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire- : Do not allow run-off from fire fighting to enter drains or water

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fighting courses.

Hazardous combustion products : Carbon dioxide (CO₂)
Carbon monoxide
Nitrogen oxides (NO_x)
Halogenated compounds
Metal oxides

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
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 : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.
For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national

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regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in a dry place. Protect from frost.

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

Recommended storage temperature : > 10 °C

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

This information is not available.

Personal protective equipment

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Hand protection

Material : Nitrile rubber - NBR
Wearing time : < 60 min

Material : Polychloroprene - CR
Wearing time : < 60 min

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Material : Fluorinated rubber - FKM
Wearing time : < 60 min

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves. After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations

Skin and body protection : Wear suitable protective clothing.
Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Filter type : Recommended Filter type:
Combined inorganic and acidic gas/vapour, ammonia/amines and organic vapour type (ABEK)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Liquid

Colour : Light, yellow

Odour : slight, ammoniacal

Odour Threshold : No data available

pH : 7,6 - 8,4

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point : > 100 °C
Method: closed cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

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Relative vapour density : No data available

Relative density : No data available

Density : 1,02 g/cm³ (20 °C)

Solubility(ies)
Water solubility : soluble

Partition coefficient: n-octanol/water : No data available

Ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available

Explosive properties : No data available

Oxidizing properties : No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : Temperature < 10 °C

10.5 Incompatible materials

Materials to avoid : Incompatible with strong acids and bases.
Incompatible with oxidizing agents.
Anionic surfactants
Reducing agents
Metal salt.

10.6 Hazardous decomposition products

Hazardous decomposition : hydrogen chloride

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products	Carbon oxides Nitrogen oxides (NOx)
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity	: Acute toxicity estimate: 1.506 mg/kg Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method

Components:

didecyldimethylammonium chloride:

Acute oral toxicity	: LD50 (Rat, male and female): 329 mg/kg Method: OECD Test Guideline 401 GLP: yes Acute toxicity estimate: 500 mg/kg Method: Converted acute toxicity point estimate
Acute dermal toxicity	: LD50 (Rat, male and female): > 1.000 mg/kg Method: OECD Test Guideline 402 GLP: yes

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:

Acute oral toxicity	: LD50 (Rat, male and female): 261 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute dermal toxicity	: LD50 (Rabbit): > 600 mg/kg Method: OECD Test Guideline 402 Remarks: Highest producible concentration.

I-(+)-lactic acid:

Acute oral toxicity	: LD50 (Rat): > 2.000 mg/kg Method: OPP 81-1 Acute Oral Toxicity
Acute inhalation toxicity	: LC50 (Rat, male and female): > 7,94 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhalation toxicity

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Acute dermal toxicity : LD50 (Rabbit, male and female): > 2.000 mg/kg
Method: OPP 81-2 Acute Dermal Toxicity

dodecyldimethylamine:

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

dimethyl(tetradecyl)amine:

Acute oral toxicity : LD50 (Rat, male): 1.320 mg/kg
Method: OECD Test Guideline 401
GLP: yes

Skin corrosion/irritation

Product:

Species: Rabbit
Method: OECD Test Guideline 404
Result: Irritating to skin.

Components:

didecyldimethylammonium chloride:

Species: Rabbit
Method: OECD Test Guideline 404
Result: Causes burns.

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:

Species: Rabbit
Method: OECD Test Guideline 404
Result: Causes burns.

I-(+)-lactic acid:

Species: Rabbit
Result: Skin irritation
Remarks: irritant (Rabbit)

dodecyldimethylamine:

Assessment: Causes burns.

dimethyl(tetradecyl)amine:

Species: Rabbit
Method: OECD Test Guideline 404
Result: Causes burns.

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Serious eye damage/eye irritation

Product:

Species: Rabbit
Method: OECD Test Guideline 405
Result: Risk of serious damage to eyes.

Components:

I-(+)-lactic acid:

Assessment: Risk of serious damage to eyes.
Remarks: Causes serious eye damage.

dimethyl(tetradecyl)amine:

Species: Rabbit
Method: OECD Test Guideline 405
Result: Risk of serious damage to eyes.

Respiratory or skin sensitisation

Components:

didecyldimethylammonium chloride:

Exposure routes: Dermal
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Not a skin sensitizer.

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:

Exposure routes: Dermal
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Not a skin sensitizer.

I-(+)-lactic acid:

Exposure routes: Dermal
Species: Guinea pig
Result: Not a skin sensitizer.

Germ cell mutagenicity

Components:

didecyldimethylammonium chloride:

Genotoxicity in vitro : Remarks: Not mutagenic in a standard battery of genetic toxicological tests.

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:

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Genotoxicity in vitro : Test Type: Ames test
Test system: Bacteria
Method: OECD Test Guideline 471
Result: negative

Test system: Mammalian-Animal
Method: OECD Test Guideline 473
Result: negative

dimethyl(tetradecyl)amine:

Genotoxicity in vitro : Remarks: Not mutagenic in a standard battery of genetic toxicological tests.

Carcinogenicity

Components:

didecyldimethylammonium chloride:

Remarks: Animal testing did not show any carcinogenic effects.

Reproductive toxicity

Components:

didecyldimethylammonium chloride:

Effects on fertility : Remarks: Did not show mutagenic or teratogenic effects in animal experiments.

STOT - repeated exposure

Components:

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:

Target Organs: Kidney

Assessment: May cause damage to organs through prolonged or repeated exposure.

Further information

Product:

Remarks: No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

didecyldimethylammonium chloride:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 0,49 mg/l

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Exposure time: 96 h
Method: OECD Test Guideline 203
GLP: yes
Remarks: Fresh water

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,029 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
GLP: yes
Remarks: Fresh water

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): 0,062 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes
Remarks: Fresh water

NOEC (Pseudokirchneriella subcapitata (microalgae)): 0,013 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes
Remarks: Fresh water

M-Factor (Acute aquatic toxicity) : 10

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,021 mg/l
Exposure time: 21 Days
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211
GLP: yes
Remarks: Fresh water

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 0,431 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
GLP: yes
Remarks: Fresh water

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,077 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
GLP: yes
Remarks: Fresh water

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): 0,015 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

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GLP: yes
Remarks: Fresh water

EC10 (Pseudokirchneriella subcapitata (microalgae)): 0,009 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes
Remarks: Fresh water

M-Factor (Acute aquatic toxicity) : 10

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,024 mg/l
Exposure time: 21 Days
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211
GLP: yes
Remarks: Fresh water

M-Factor (Chronic aquatic toxicity) : 1

I-(+)-lactic acid:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 130 mg/l
Exposure time: 96 h
Remarks: Fresh water

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 750 mg/l
Exposure time: 48 h
Remarks: Fresh water

Toxicity to algae : (Pseudokirchneriella subcapitata (green algae)): 320 mg/l
Exposure time: 96 h

Toxicity to fish (Chronic toxicity) : NOEC: 2,18 mg/l
Exposure time: 90 d
Species: Mozambique tilapia
Remarks: Fresh water

dodecyldimethylamine:

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

dimethyl(tetradecyl)amine:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 0,256 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
GLP: yes
Remarks: Fresh water

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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,188 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
GLP: yes
Remarks: Fresh water

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 0,0466 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes
Remarks: Fresh water

EC10 (Desmodesmus subspicatus (green algae)): 0,0128 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes
Remarks: Fresh water

M-Factor (Acute aquatic toxicity) : 10

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,1 mg/l
Exposure time: 21 Days
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211
GLP: yes
Remarks: Fresh water

12.2 Persistence and degradability

Components:

didecyldimethylammonium chloride:

Biodegradability : Test Type: aerobic
Result: Readily biodegradable.
Biodegradation: 69 %
Exposure time: 28 d
Method: OECD Test Guideline 301D
GLP: yes

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:

Biodegradability : Test Type: aerobic
Result: Readily biodegradable.
Biodegradation: 79 %
Exposure time: 28 d
Method: OECD Test Guideline 301D

l-(+)-lactic acid:

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Biodegradability : Result: Readily biodegradable.

dimethyl(tetradecyl)amine:

Biodegradability : Test Type: aerobic
Result: Readily biodegradable.
Biodegradation: 71 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
GLP: yes

12.3 Bioaccumulative potential

Components:

didecyldimethylammonium chloride:

Partition coefficient: n- : log Pow: -0,41
octanol/water Method: OECD Test Guideline 107

dodecyldimethylamine:

Partition coefficient: n- : log Pow: 2,4
octanol/water

dimethyl(tetradecyl)amine:

Partition coefficient: n- : log Pow: 2,4
octanol/water

12.4 Mobility in soil

No data available

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..

12.6 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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- Product : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

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.
(DIDECYLDIMETHYL AMMONIUMCHLORIDE)
- ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(DIDECYLDIMETHYL AMMONIUMCHLORIDE)
- RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(DIDECYLDIMETHYL AMMONIUMCHLORIDE)
- IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(DIDECYLDIMETHYL AMMONIUMCHLORIDE)
- IATA : Environmentally hazardous substance, liquid, n.o.s.
(DIDECYLDIMETHYL AMMONIUMCHLORIDE)

14.3 Transport hazard class(es)

- ADN : 9
ADR : 9
RID : 9
IMDG : 9
IATA : 9

14.4 Packing group

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ADN

Packing group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9



ADR

Packing group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9



RID

Packing group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9



IMDG

Packing group : III
Labels : 9
:



IATA (Cargo)

Packing instruction (cargo aircraft) : 964: 450,00 L
Packing group : III
Labels : 9
:



IATA (Passenger)

Packing instruction (passen- : 964: 450,00 L

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ger aircraft)
Packing group : III
Labels : 9
:



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

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14.6 Special precautions for user / Additional advice

Hazard statements : Environmentally hazardous substance.
Irritating to skin.
Risk of serious damage to eyes.
Avoid temperatures below +10 °C.
Keep away from foodstuffs, acids and alkalis.

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

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E1	ENVIRONMENTAL HAZARDS	Quantity 1	Quantity 2
		100 t	200 t

15.2 Chemical safety assessment

not applicable

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

AMBICIDE

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SECTION 16: Other information

Full text of H-Statements

H301 : Toxic if swallowed.
H302 : Harmful if swallowed.
H312 : Harmful in contact with skin.
H314 : Causes severe skin burns and eye damage.
H315 : Causes skin irritation.
H318 : Causes serious eye damage.
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.
H411 : 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
Eye Dam. : Serious eye damage
Skin Corr. : Skin corrosion
Skin Irrit. : Skin irritation
STOT RE : Specific target organ toxicity - repeated exposure

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

Further information

Classification of the mixture:

Acute Tox. 4	H302
Skin Irrit. 2	H315
Eye Dam. 1	H318
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

Classification procedure:

Calculation method
Based on product data or assessment
Based on product data or assessment
Calculation method
Calculation method

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet and its Annex [if required according to Regulation (EC) 1907/2006 (REACH)] is to describe the products in terms of their safety requirements. The given details do not imply any guarantee concerning the composition, properties or performance.