

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version 5.0 Revision Date: 07.11.2017 SDS Number: S1431213640 This version replaces all previous versions.

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

1.1 Product identifier

Trade name : DIVIDEND EXTREME

Design code : A12532G

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

Use of the Substance/Mixture : Fungicide, Seed treatment

1.3 Details of the supplier of the safety data sheet

Company : Syngenta SA (Pty) Ltd
: P.O. Box 1044,
No. 4 Krokodildrift Avenue
Brits 0250 South Africa

Telephone : +27 12 250 6300

Telefax : +27 12 250 3125

E-mail address of person responsible for the SDS : sds.ch@syngenta.com

1.4 Emergency telephone number

Emergency telephone number : +27 (0) 82 446 8946 (Griffon)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

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 1

H410: Very toxic to aquatic life with long lasting effects.

DIVIDEND EXTREME

Version 5.0 Revision Date: 07.11.2017 SDS Number: S1431213640 This version replaces all previous versions.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.
H410 Very toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements : EUH208 Contains 1,2-benzisothiazol-3-one.
May produce an allergic reaction.

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

Precautionary statements : **Prevention:**
P280 Wear eye protection/ face protection.
Response:
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.
P391 Collect spillage.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:
poly(oxy-1,2-ethanediyl), alpha-9-octadecenyl-omega-hydroxy-, (Z)-

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. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
difenoconazole	119446-68-3	Acute Tox. 4; H302 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1;	>= 3 - < 10

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version
5.0

Revision Date:
07.11.2017

SDS Number:
S1431213640

This version replaces all previous versions.

		H410	
poly(oxy-1,2-ethanediyl), alpha-9-octadecenyl-omega-hydroxy-, (Z)-metalaxyl-M (ISO)	9004-98-2 500-016-2	Acute Tox. 4; H302 Eye Dam. 1; H318	$\geq 3 - < 10$
	70630-17-0 612-163-00-0	Acute Tox. 4; H302 Eye Dam. 1; H318	$\geq 1 - < 3$
poly(oxy-1,2-ethanediyl), alpha-phosphono-omega-[2,4,6-tris(1-phenylethyl)phenoxy]-1,2-benzisothiazol-3(2H)-one	90093-37-1 618-446-5	Eye Irrit. 2; H319	$\geq 1 - < 3$
	2634-33-5 220-120-9 613-088-00-6	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400	$\geq 0.025 - < 0.05$
bronopol (INN)	52-51-7 200-143-0 603-085-00-8	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	$\geq 0.025 - < 0.1$

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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
5.0	07.11.2017	S1431213640	

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

DIVIDEND EXTREME

Version 5.0 Revision Date: 07.11.2017 SDS Number: S1431213640 This version replaces all previous versions.

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.

Further information on storage stability : Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

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

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
difenoconazole	119446-68-3	TWA	5 mg/m ³	Syngenta
propane-1,2,3-triol	56-81-5	TWA (inhalable dust)	50 mg/m ³	CH SUVA
Further information	Harm to the unborn child is not to be expected when the OEL-value is			

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version
5.0

Revision Date:
07.11.2017

SDS Number:
S1431213640

This version replaces all previous versions.

	respected			
	56-81-5	STEL (inhalable dust)	100 mg/m ³	CH SUVA
Further information	Harm to the unborn child is not to be expected when the OEL-value is respected			
metalaxyl-M (ISO)	70630-17-0	TWA	5 mg/m ³	Syngenta

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 : Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.
Tightly fitting safety goggles
Face-shield

Use eye protection according to EN 166.

Hand protection

Remarks

: No special protective equipment required.

Skin and body protection

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

Respiratory protection

: No personal respiratory protective equipment normally required.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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

: suspension

Colour

: orange red to dark red

Odour

: sweetish

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version 5.0 Revision Date: 07.11.2017 SDS Number: S1431213640 This version replaces all previous versions.

Odour Threshold	:	No data available
pH	:	6.4 Concentration: 1 % w/v
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	> 101 °C(1020 hPa) Method: Pensky-Martens closed cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Density	:	1.092 g/cm ³ (20 °C)
Solubility(ies)		
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	465 °C
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	114 - 442 mPa.s (40 °C) 100 - 414 mPa.s (20 °C)
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

9.2 Other information

Surface tension : 35.7 mN/m, 20 °C

SECTION 10: Stability and reactivity

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version
5.0

Revision Date:
07.11.2017

SDS Number:
S1431213640

This version replaces all previous versions.

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 and female): > 5,050 mg/kg
Remarks: The toxicological data has been taken from products of similar composition.

Acute inhalation toxicity

: LC50 (Rat, male and female): > 2.73 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: The toxicological data has been taken from products of similar composition.

Acute dermal toxicity

: LD50 (Rabbit, male and female): > 5,050 mg/kg
Remarks: The toxicological data has been taken from products of similar composition.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version
5.0

Revision Date:
07.11.2017

SDS Number:
S1431213640

This version replaces all previous versions.

Components:

difenoconazole:

Acute oral toxicity

: LD50 (Rat, male and female): 1,453 mg/kg
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity

: LC50 (Rat, male and female): > 3,300 mg/m³
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity

: LD50 (Rabbit, male and female): > 2,010 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

poly(oxy-1,2-ethanediyl), alpha-9-octadecenyl-omega-hydroxy-,(Z)-:

Acute oral toxicity

: LD50 (Rat): 500 - 2,000 mg/kg

metalaxyl-M (ISO):

Acute oral toxicity

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

bronopol (INN):

Acute oral toxicity

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

Acute dermal toxicity

: Assessment: The component/mixture is moderately toxic after single contact with skin.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version
5.0

Revision Date:
07.11.2017

SDS Number:
S1431213640

This version replaces all previous versions.

Skin corrosion/irritation

Components:

difenoconazole:

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.

bronopol (INN):

Result: Irritating to skin.

Serious eye damage/eye irritation

Components:

difenoconazole:

Species: Rabbit
Result: Irritation to eyes, reversing within 7 days

poly(oxy-1,2-ethanediyl), alpha-9-octadecenyl-omega-hydroxy-,(Z)-:

Species: Rabbit
Result: Irreversible effects on the eye

metalaxyl-M (ISO):

Species: Rabbit
Result: Risk of serious damage to eyes.

poly(oxy-1,2-ethanediyl), alpha-phosphono-omega-[2,4,6-tris(1-phenylethyl)phenoxy]-:

Species: Rabbit
Result: Eye irritation

1,2-benzisothiazol-3(2H)-one:

Result: Risk of serious damage to eyes.

bronopol (INN):

Result: Risk of serious damage to eyes.

Respiratory or skin sensitisation

Components:

difenoconazole:

Species: Guinea pig
Result: Did not cause sensitisation on laboratory animals.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version
5.0

Revision Date:
07.11.2017

SDS Number:
S1431213640

This version replaces all previous versions.

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:

difenoconazole:

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

Components:

difenoconazole:

Carcinogenicity -
Assessment : Weight of evidence does not support classification as a carcinogen, In a two-year feeding study of mice, an oncogenic effect was seen in the livers of males and females., The observed tumors do not appear to be relevant for men.

metalaxyl-M (ISO):

Carcinogenicity -
Assessment : No evidence of carcinogenicity in animal studies.

Reproductive toxicity

Components:

difenoconazole:

Reproductive toxicity -
Assessment : No toxicity to reproduction

metalaxyl-M (ISO):

Reproductive toxicity -
Assessment : No toxicity to reproduction

STOT - single exposure

Components:

bronopol (INN):

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version
5.0

Revision Date:
07.11.2017

SDS Number:
S1431213640

This version replaces all previous versions.

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:

difenoconazole:

Remarks: No adverse effect has been observed in chronic toxicity tests.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

- Acute aquatic toxicity : Very toxic to aquatic life., Classification of the product is based on the summation of the concentrations of classified components.
- 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:

difenoconazole:

Toxicity to fish

- : LC50 (Oncorhynchus mykiss (rainbow trout)): 1.1 mg/l
Exposure time: 96 h

- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.77 mg/l
Exposure time: 48 h

EC50 (Americamysis bahia (Mysid shrimp)): 0.15 mg/l
Exposure time: 96 h

- Toxicity to algae : EC50 (Navicula pelliculosa (Freshwater diatom)): 0.091 mg/l
Exposure time: 72 h

NOEC (Navicula pelliculosa (Freshwater diatom)): 0.053 mg/l
Exposure time: 72 h

NOEC (Desmodesmus subspicatus (green algae)): 0.0086 mg/l
Exposure time: 72 h

- M-Factor (Acute aquatic toxicity) : 10

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version 5.0 Revision Date: 07.11.2017 SDS Number: S1431213640 This version replaces all previous versions.

- Toxicity to microorganisms : EC50 (activated sludge): > 100 mg/l
Exposure time: 3 h
- Toxicity to fish (Chronic toxicity) : NOEC: 0.0076 mg/l
Exposure time: 34 d
Species: Pimephales promelas (fathead minnow)
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.0056 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
- NOEC: 0.0046 mg/l
Exposure time: 28 d
Species: Americamysis
- M-Factor (Chronic aquatic toxicity) : 10

poly(oxy-1,2-ethanediyl), alpha-9-octadecenyl-omega-hydroxy-,(Z)-:

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 1 - 10 mg/l
Exposure time: 96 h

Ecotoxicology Assessment

- Acute aquatic toxicity : This product has no known ecotoxicological effects.
- Chronic aquatic toxicity : This product has no known ecotoxicological effects.

metalaxyl-M (ISO):

- Toxicity to fish : LC50 (Oncorhynchus 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: Oncorhynchus mykiss (rainbow trout)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version 5.0 Revision Date: 07.11.2017 SDS Number: S1431213640 This version replaces all previous versions.

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

poly(oxy-1,2-ethanediyl), alpha-phosphono-omega-[2,4,6-tris(1-phenylethyl)phenoxy]-:

Toxicity to microorganisms : EC50 (Pseudomonas putida): > 1,000 mg/l

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

1,2-benzisothiazol-3(2H)-one:

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

bronopol (INN):

Toxicity to algae : NOEC (algae): 0.0025 mg/l
Exposure time: 72 h

EC50 (algae): 0.068 mg/l
Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 10

12.2 Persistence and degradability

Components:

difenoconazole:

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: 1 d
Remarks: Product is not persistent.

poly(oxy-1,2-ethanediyl), alpha-9-octadecenyl-omega-hydroxy-,(Z)-:

Biodegradability : Result: Readily biodegradable.

metalaxyl-M (ISO):

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: 22.4 - 47.5 d
Remarks: Product is not persistent.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version
5.0

Revision Date:
07.11.2017

SDS Number:
S1431213640

This version replaces all previous versions.

bronopol (INN):

Biodegradability

: Result: Readily biodegradable.

12.3 Bioaccumulative potential

Components:

difenoconazole:

Bioaccumulation

: Remarks: High bioaccumulation potential.

Partition coefficient: n-
octanol/water

: log Pow: 4.4 (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:

difenoconazole:

Distribution among
environmental compartments

: Remarks: Low mobility in soil.

Stability in soil

: Dissipation time: 149 - 187 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..

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version
5.0

Revision Date:
07.11.2017

SDS Number:
S1431213640

This version replaces all previous versions.

Components:

difenoconazole:

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)..

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.

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.
(DIFENOCONAZOLE)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version 5.0 Revision Date: 07.11.2017 SDS Number: S1431213640 This version replaces all previous versions.

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

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

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(DIFENOCONAZOLE)

IATA : Environmentally hazardous substance, liquid, n.o.s.
(DIFENOCONAZOLE)

14.3 Transport hazard class(es)

ADN : 9

ADR : 9

RID : 9

IMDG : 9

IATA : 9

14.4 Packing group

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
Tunnel restriction code : (-)

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

IMDG
Packing group : III
Labels : 9
EmS Code : F-A, S-F

IATA (Cargo)
Packing instruction (cargo aircraft) : 964
Packing instruction (LQ) : Y964
Packing group : III
Labels : Miscellaneous

IATA (Passenger)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version 5.0 Revision Date: 07.11.2017 SDS Number: S1431213640 This version replaces all previous versions.

Packing instruction (passenger aircraft) : 964
Packing instruction (LQ) : Y964
Packing group : III
Labels : Miscellaneous

14.5 Environmental hazards

ADN

Environmentally hazardous : yes

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

IATA (Passenger)

Marine pollutant : yes

IATA (Cargo)

Marine pollutant : yes

14.6 Special precautions for user

Not applicable

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) : Not applicable
: 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.

		Quantity 1	Quantity 2
E1	ENVIRONMENTAL HAZARDS	100 t	200 t

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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
5.0	07.11.2017	S1431213640	

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.
H312	: Harmful in contact with skin.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H335	: May cause respiratory irritation.
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
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation
STOT SE	: Specific target organ toxicity - single exposure
CH SUVA	: Switzerland. Limit values at the work place
CH SUVA / TWA	: Time Weighted Average
CH SUVA / STEL	: Short Term Exposure Limit

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; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship;

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DIVIDEND EXTREME

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
5.0	07.11.2017	S1431213640	

REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Eye Dam. 1	H318
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Classification procedure:

Calculation method
On basis of test data.
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.

CH / EN