According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

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

1.1 Product identifier

Trade name : LEVEE

Design code : A19020T

Product Registration Number : MAPP 19848

Unique Formula Identifier

(UFI)

: Q4F4-Q087-P003-DHFE

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

Use of the : Fungicide

Substance/Mixture

Recommended restrictions

on use

professional use

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 : +44 1484 538444

number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

Short-term (acute) aquatic hazard, H400: Very toxic to aquatic life.

Category 1

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

Long-term (chronic) aquatic hazard, H410: Very toxic to aquatic life with long lasting

Category 1 effects.

Serious eye damage/eye irritation, H318: Causes serious eye damage.

Category 1

Skin corrosion/irritation, Category 2 H315: Causes skin irritation.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :







Signal word : Warning

Hazard statements : H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eve damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : P102 Keep out of reach of children.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and

water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P321 Specific treatment (see supplemental first aid

instructions on this label).

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 a licensed hazardouswaste disposal contractor or collection site except for empty triple rinsed clean containers which can be disposed of as non-

hazardous waste.

Hazardous components which must be listed on the label: mixture of octanoic acid- decanoic acid- N,N-dimethylamide

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

Additional Labelling

EUH401 To avoid risks to human health and the environment, comply with the

instructions for use.

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

Components

Chemical name	CAS-No. EC-No.	Classification	Concentration (% w/w)
	Index-No.		(11 ,
	Registration number		
mixture of octanoic acid- decanoic	1118-92-9	Skin Irrit. 2; H315	>= 30 - < 50
acid- N,N-dimethylamide	214-272-5	Eye Dam. 1; H318	
	01-2119974115-37	STOT SE 3; H335	
		(Respiratory system)	
prothioconazole	178928-70-6	Aquatic Acute 1; H400	>= 10 - < 20
		Aquatic Chronic 1; H410	
		M-Factor (Acute	
		aquatic toxicity): 10	
		M-Factor (Chronic	
		aquatic toxicity): 1	
poly(oxy-1,2-ethanediyl), -[2,4,6-tris(1-phenylethyl)phenyl]hydroxy-	99734-09-5	Aquatic Chronic 3; H412	>= 2.5 - < 10
benzovindiflupyr (ISO)	1072957-71-1	Acute Tox. 3; H301 Acute Tox. 3; H331	>= 2.5 - < 10
	616-218-00-X	Aquatic Acute 1;	
		Aquatic Chronic 1;	
		H410	
		M-Factor (Acute	
		aquatic toxicity):	
		100100 M. Faster (Chronic	
		M-Factor (Chronic aquatic toxicity):	
		100100	

For explanation of abbreviations see section 16.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

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

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

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.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

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. Keep away from direct sunlight.

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	Control parameters	Basis
		of exposure)		
prothioconazole	178928-70-	TWA	1.4 mg/m3	Supplier
	6			
benzovindiflupyr	1072957-	TWA	1 mg/m3	Syngenta
(ISO)	71-1			

Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
benzovindiflupyr (ISO)	Workers	Inhalation	Long-term systemic effects	0.478 mg/m3
	Workers	Inhalation	Acute systemic effects	1.13 mg/m3
	Workers	Dermal	Long-term systemic effects	3.33 mg/kg
	Consumers	Inhalation	Long-term systemic effects	0.119 mg/m3
	Consumers	Dermal	Long-term systemic effects	1.67 mg/kg
	Consumers	Oral	Long-term systemic effects	0.049 mg/kg
mixture of octanoic acid- decanoic acid-	Workers	Inhalation	Long-term systemic effects	166.67 mg/m3

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

N,N-dimethylamide				
	Workers	Dermal	Long-term systemic effects	23.81 mg/kg
	Consumers	Inhalation	Long-term systemic effects	50 mg/m3
	Consumers	Dermal	Long-term systemic effects	14.29 mg/kg
	Consumers	Oral	Long-term systemic effects	14.29 mg/kg

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
benzovindiflupyr (ISO)	Fresh water	0.000095 mg/l
	Secondary poisoning	2 mg/kg
	Soil	0.041 mg/kg
	Marine water	0.000009 mg/l
	Fresh water sediment	0.053 mg/kg
	Sewage treatment plant	100 mg/l
	Marine sediment	0.005 mg/kg
mixture of octanoic acid- decanoic acid- N,N- dimethylamide	Fresh water	0.026 mg/l
	Marine water	0.0026 mg/l
	Intermittent use/release	0.077 mg/l
	Sewage treatment plant	2.12 mg/l
	Fresh water sediment	0.318 mg/kg
	Marine sediment	0.0318 mg/kg
	Soil	5.23 mg/kg

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.

Hand protection

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

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

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 break through 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.

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: Impervious clothing

Respiratory protection : When workers are facing concentrations above the exposure

limit they must use appropriate certified respirators.

Suitable respiratory equipment: Respirator with a half face mask

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.

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 : clear to slightly turbid Colour : yellow to amber

Odour : amine-like, ester-like, strong

Odour Threshold : No data available

pH : 5.0

Concentration: 1 % w/v

Melting point/range : No data available

Boiling point/boiling range : No data available

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

Version Revision Date: SDS Number: 1.0 11.01.2022 S00032892098

This version replaces all previous versions.

Flash point : 141 °C

Method: Seta 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 g/cm3 (25 °C)

1,007 g/cm3 (19 °C)

Solubility(ies)

Water solubility : No data available Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

No data available

Auto-ignition temperature : 370 °C

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : 75.4 mPa.s (20 °C)

26.3 mPa.s (40 °C)

Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

9.2 Other information

Surface tension : 32.6 mN/m, 20 °C

Particle size : No data available

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

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 : Extremes of temperature and direct sunlight.

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, female): > 2,000 mg/kg

Assessment: The substance or mixture has no acute oral

toxicity

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.04 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: The substance or mixture has no acute

inhalation toxicity

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg

Assessment: The substance or mixture has no acute dermal

toxicity

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

Components:

prothioconazole:

Acute oral toxicity : LD50 (Rat): > 6,200 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 4.99 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): > 2,000 mg/kg

Assessment: The substance or mixture has no acute dermal

toxicity

poly(oxy-1,2-ethanediyl), -[2,4,6-tris(1-phenylethyl)phenyl]- -hydroxy-:

Acute oral toxicity : LD50 Oral (Rat): 5,000 mg/kg

benzovindiflupyr (ISO):

Acute oral toxicity : LD50 (Rat, female): 55 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 0.56 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg

Assessment: The substance or mixture has no acute dermal

toxicity

Skin corrosion/irritation

Product:

Species : Rabbit

Result : No skin irritation

Components:

mixture of octanoic acid- decanoic acid- N,N-dimethylamide:

Species : Rabbit

Result : Irritating to skin.

prothioconazole:

Species : Rabbit

Result : No skin irritation

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

benzovindiflupyr (ISO):

Species : Rabbit

Result : No skin irritation

Serious eye damage/eye irritation

Product:

Species : Rabbit

Result : Irritation to eyes, reversing within 7 days

Components:

mixture of octanoic acid- decanoic acid- N,N-dimethylamide:

Species : Rabbit

Result : Risk of serious damage to eyes.

prothioconazole:

Species : Rabbit

Result : No eye irritation

benzovindiflupyr (ISO):

Species : Rabbit

Result : No eye irritation

Respiratory or skin sensitisation

Product:

Test Type : mouse lymphoma cells

Species : Mouse

Result : May cause sensitisation by skin contact.

Components:

prothioconazole:

Test Type : mouse lymphoma cells

Species : Mouse

Result : Did not cause sensitisation on laboratory animals.

benzovindiflupyr (ISO):

Test Type : mouse lymphoma cells

Species : Mouse

Result : Did not cause sensitisation on laboratory animals.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

Germ cell mutagenicity

Components:

prothioconazole:

Germ cell mutagenicity-

Assessment

: Weight of evidence does not support classification as a germ

cell mutagen.

poly(oxy-1,2-ethanediyl), -[2,4,6-tris(1-phenylethyl)phenyl]- -hydroxy-:

Germ cell mutagenicity-

Assessment

: In vitro tests did not show mutagenic effects

benzovindiflupyr (ISO):

Germ cell mutagenicity-

Assessment

Animal testing did not show any mutagenic effects.

Carcinogenicity

Components:

prothioconazole:

Carcinogenicity -

Assessment

: No evidence of carcinogenicity in animal studies.

benzovindiflupyr (ISO):

Carcinogenicity -

Assessment

: Weight of evidence does not support classification as a carcinogen, This substance has been reported to cause tumours in certain animal species., There is no evidence that

these findings are relevant to humans.

Reproductive toxicity

Components:

prothioconazole:

Reproductive toxicity -

No toxicity to reproduction

Assessment

benzovindiflupyr (ISO):

Reproductive toxicity -

Assessment

No toxicity to reproduction

STOT - single exposure

Components:

mixture of octanoic acid- decanoic acid- N.N-dimethylamide:

Assessment The substance or mixture is classified as specific target organ

toxicant, single exposure, category 3 with respiratory tract

irritation.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

prothioconazole:

Assessment : The substance or mixture is not classified as specific target

organ toxicant, single exposure.

benzovindiflupyr (ISO):

Assessment : The substance or mixture is not classified as specific target

organ toxicant, single exposure.

STOT - repeated exposure

Components:

prothioconazole:

Assessment : The substance or mixture is not classified as specific target

organ toxicant, repeated exposure.

benzovindiflupyr (ISO):

Assessment : The substance or mixture is not classified as specific target

organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

benzovindiflupyr (ISO):

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

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.148 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 0.36 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

: ErC50 (Raphidocelis subcapitata (freshwater green alga)): 13

ma/l

Exposure time: 72 h

NOEC (Raphidocelis subcapitata (freshwater green alga)):

0.32 mg/l

End point: Growth rate Exposure time: 72 h

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

EC10 (Raphidocelis subcapitata (freshwater green alga)): 3.6

mg/l

End point: Growth rate Exposure time: 72 h

Components:

mixture of octanoic acid- decanoic acid- N,N-dimethylamide:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 14.8 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

LC50 (Daphnia magna (Water flea)): 7.7 mg/l

Exposure time: 48 h Test Type: static test

Toxicity to algae/aquatic

plants

ErC50 (Raphidocelis subcapitata (freshwater green alga)):

16.06 mg/l

Exposure time: 72 h

prothioconazole:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1.83 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 1.3 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

EC50 (Raphidocelis subcapitata (freshwater green alga)):

2.18 mg/l

Exposure time: 72 h

ErC50 (Skeletonema costatum (marine diatom)): 0.03278 mg/l

Exposure time: 72 h

EC10 (Skeletonema costatum (marine diatom)): 0.01427 mg/l

End point: Growth rate Exposure time: 72 h

M-Factor (Acute aquatic

toxicity)

10

M-Factor (Chronic aquatic

toxicity)

: 1

poly(oxy-1,2-ethanediyl), -[2,4,6-tris(1-phenylethyl)phenyl]- -hydroxy-:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 21 mg/l

Exposure time: 96 h

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

Version Revision Date: 1.0 11.01.2022

SDS Number: S00032892098 This version replaces all previous versions.

benzovindiflupyr (ISO):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.0091 mg/l

Exposure time: 96 h

LC50 (Cyprinus carpio (Carp)): 0.0035 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Americamysis): 0.056 mg/l

Exposure time: 96 h

Toxicity to algae/aquatic

plants

ErC50 (Raphidocelis subcapitata (freshwater green alga)): >

0.89 mg/l

Exposure time: 96 h

NOEC (Raphidocelis subcapitata (freshwater green alga)):

0.42 mg/l

End point: Growth rate Exposure time: 96 h

ErC50 (Skeletonema costatum (marine diatom)): 0.55 mg/l

Exposure time: 72 h

NOEC (Skeletonema costatum (marine diatom)): 0.4 mg/l

End point: Growth rate Exposure time: 72 h

M-Factor (Acute aquatic

toxicity)

100

: 100

Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l

Exposure time: 3 h

Toxicity to fish (Chronic

toxicity)

NOEC: 0.00095 mg/l

Exposure time: 32 d

Species: Pimephales promelas (fathead minnow)

Test Type: Early-life Stage

Toxicity to daphnia and other :

aquatic invertebrates (Chronic toxicity)

NOEC: 0.0074 mg/l Exposure time: 28 d

Species: Americamysis

EC10: 0.012 mg/l Exposure time: 21 d

Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic

toxicity)

100

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

100

12.2 Persistence and degradability

Components:

mixture of octanoic acid- decanoic acid- N,N-dimethylamide:

Biodegradability : Result: Readily biodegradable.

Stability in water : Remarks: Product is not persistent.

prothioconazole:

Biodegradability : Result: Not rapidly biodegradable

benzovindiflupyr (ISO):

Biodegradability : Result: Not readily biodegradable.

12.3 Bioaccumulative potential

Components:

prothioconazole:

Bioaccumulation : Remarks: Does not bioaccumulate.

benzovindiflupyr (ISO):

Bioaccumulation : Remarks: Does not bioaccumulate.

Partition coefficient: n-

octanol/water

log Pow: 4.3 (25 °C)

12.4 Mobility in soil

Components:

mixture of octanoic acid- decanoic acid- N,N-dimethylamide:

Stability in soil : Remarks: Product is not persistent.

prothioconazole:

Distribution among : Remarks: Low mobility in soil.

environmental compartments

benzovindiflupyr (ISO):

Distribution among : Remarks: Slightly mobile in soils

environmental compartments

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

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher.

Components:

prothioconazole:

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).

poly(oxy-1,2-ethanediyl), -[2,4,6-tris(1-phenylethyl)phenyl]- -hydroxy-:

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).

benzovindiflupyr (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.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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SECTION 14: Transport information

14.1 UN number

ADR : UN 3082
RID : UN 3082
IMDG : UN 3082
IATA : UN 3082

14.2 UN proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(BENZOVINDIFLUPYR)

RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(BENZOVINDIFLUPYR)

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(BENZOVINDIFLUPYR)

IATA : Environmentally hazardous substance, liquid, n.o.s.

(BENZOVINDIFLUPYR)

14.3 Transport hazard class(es)

 ADR
 : 9

 RID
 : 9

 IMDG
 : 9

 IATA
 : 9

14.4 Packing group

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

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

EmS Code : F-A, S-F

IATA (Cargo)

Packing instruction (cargo : 964

aircraft)

Packing instruction (LQ) : Y964
Packing group : III

Labels : Miscellaneous

IATA (Passenger)

Packing instruction : 964

(passenger aircraft)

Packing instruction (LQ) : Y964
Packing group : III

Labels : Miscellaneous

14.5 Environmental hazards

ADR

Environmentally hazardous : yes

)

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) Conditions of restriction for the following entries should be considered:
Number on list 3 xylene

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

REACH - Candidate List of Substances of Very High : Not applicable

Concern for Authorisation (Article 59).

Regulation (EC) No 1005/2009 on substances that Not applicable

deplete the ozone layer

Regulation (EU) 2019/1021 on persistent organic Not applicable

pollutants (recast)

Regulation (EC) No 649/2012 of the European Not applicable

Parliament and the Council concerning the export and

import of dangerous chemicals

UK REACH List of substances subject to authorisation : Not applicable

(Annex XIV)

E1

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 2 100 t 200 t

ENVIRONMENTAL

HAZARDS

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

H301 Toxic if swallowed. H315 Causes skin irritation.

Causes serious eye damage. H318

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

Very toxic to aquatic life. H400

Very toxic to aquatic life with long lasting effects. H410 H412 Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. Acute toxicity

Short-term (acute) aquatic hazard Aquatic Acute Aquatic Chronic Long-term (chronic) aquatic hazard

Eye Dam. Serious eye damage

Skin Irrit. Skin irritation

STOT SE Specific target organ toxicity - single exposure

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; AIIC - Australian Inventory of Industrial Chemicals; 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;

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



LEVEE

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

1.0 11.01.2022 S00032892098

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; 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; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG -United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture: Classification procedure:

Skin Sens. 1	H317	Based on product data or assessment
STOT SE 3	H335	Calculation method
Aquatic Acute 1	H400	Based on product data or assessment
Aquatic Chronic 1	H410	Calculation method

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.

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