

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Digator

Version	Revision Date:	SDS Number:	Date of last issue: 09.11.2021
2.0	11.12.2022	105961	Date of first issue: 18.12.2020
		Region: SK	Print Date: 07.02.2023
		Language: EN	

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

1.1 Product identifier

Trade name : Digator
Product code : 105961

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

Use of the Sub-stance/Mixture : Herbicide
Uses advised against : No data available.

1.3 Details of the supplier of the safety data sheet

Company : HELM AG
Nordkanalstrasse 28
20097 Hamburg
Telephone : +49/4023750
Telefax : +49/4023751845
E-mail address of person responsible for the SDS : SDB@HELMAG.COM

1.4 Emergency telephone number

For medical advice:
+421 2 5477 4166 (Emergency Center)
+44 1865 407333 (NCEC, National Chemical Emergency Centre)
In case of transport incidents and other emergencies:
+44 1865 407333 (NCEC, 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	H332: Harmful if inhaled.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :   
GHS08 GHS07 GHS09

Signal word : Danger

Hazard statements : H304 May be fatal if swallowed and enters airways.
H332 Harmful if inhaled.
H411 Toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements : EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

Prevention:
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear eye protection/ face protection.

Response:
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P331 Do NOT induce vomiting.
P391 Collect spillage.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal:
P501 Dispose of the contents / container to a hazardous waste landfill or hand over for disposal to an entity authorized to collect, recycle and dispose of empty packaging in accordance with the applicable waste law.

Hazardous components which must be listed on the label : hydrocarbons, C10-C13, aromatics, <1% naphthalene

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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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
hydrocarbons, C10-C13, aromatics, <1% naphthalene	Not Assigned 922-153-0 01-2119451097-39	Asp. Tox. 1; H304 Aquatic Chronic 2; H411 EUH066	>= 20 - < 25
acetophenone	98-86-2 202-708-7 606-042-00-1 01-2119533169-37	Acute Tox. 4; H302 Eye Irrit. 2; H319	>= 10 - < 20
Quizalofop-P-ethyl	100646-51-3	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 <hr/> M-Factor (Acute aquatic toxicity): 10	>= 10 - < 20

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		M-Factor (Chronic aquatic toxicity): 10	
		Acute toxicity estimate	
		Acute oral toxicity: 1.182 mg/kg	
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salt	Not Assigned 932-231-6 01-2119560592-37	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 3 - < 10

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Take off all contaminated clothing immediately.
Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.
When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : If inhaled, remove to fresh air.
- In case of skin contact : In case of skin contact
Wash off with plenty of water.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Protect unharmed eye.
- If swallowed : Call a physician immediately.

Rinse mouth with water.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : Risk of product entering the lungs on vomiting after ingestion.
Risk of serious damage to the lungs (by aspiration).

May be fatal if swallowed and enters airways.
Harmful if inhaled.
Repeated exposure may cause skin dryness or cracking.

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4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam
Dry chemical
Carbon dioxide (CO₂)
Water spray

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

In the event of fire, the following can be released:
Carbon dioxide (CO₂)
Carbon monoxide
Nitrogen oxides (NO_x)
Chlorine compounds

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

Further information : Cool endangered containers with water spray jet.

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 : Do not flush into surface water or sanitary sewer system.
Do not allow uncontrolled discharge of product into the environment.
Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible ab-

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sorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

Information regarding safe handling, see chapter 7. 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 : Handle with care. Avoid inhalation, ingestion and contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work rooms.
- Advice on protection against fire and explosion : Keep away from heat and sources of ignition.
- Hygiene measures : Avoid contact with skin, eyes and clothing. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and at the end of workday. Wash hands before eating, drinking, or smoking.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in properly labelled containers.
- Advice on common storage : Substances to be avoided, pls. See chapter 10.
- Recommended storage temperature : 0 - 30 °C

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.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

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Substance name	End Use	Exposure routes	Potential health effects	Value
hydrocarbons, C10-C13, aromatics, <1% naphthalene	Workers	Inhalation	Long-term exposure, Chronic effects, Systemic effects	150 mg/m ³
	Workers	Dermal	Long-term exposure, Chronic effects, Systemic effects	12,5 mg/kg bw/day
	Consumers	Inhalation	Long-term exposure, Chronic effects, Systemic effects	32 mg/m ³
	Consumers	Dermal	Long-term exposure, Chronic effects, Systemic effects	7,5 mg/kg bw/day
	Consumers	Oral	Long-term exposure, Chronic effects, Systemic effects	7,5 mg/kg bw/day
acetophenone	Workers	Inhalation	Long-term exposure, Chronic effects, Systemic effects	62 mg/m ³
	Workers	Dermal	Long-term exposure, Chronic effects, Systemic effects	17,6 mg/kg bw/day
	Consumers	Inhalation	Long-term exposure, Chronic effects, Systemic effects	18,4 mg/m ³
	Consumers	Inhalation	Short-term exposure, Acute effects, Systemic effects	92 mg/m ³
	Consumers	Dermal	Long-term exposure, Chronic effects, Systemic effects	10,5 mg/kg bw/day
	Consumers	Dermal	Short-term exposure, Acute effects, Systemic effects	52,5 mg/kg bw/day
	Consumers	Oral	Long-term exposure, Chronic effects, Systemic effects	10,5 mg/kg bw/day
	Consumers	Oral	Short-term exposure, Acute effects, Systemic effects	52,5 mg/kg bw/day
	Fatty acids, C16-18 and C18-unsatd., Me esters	Workers	Inhalation	Long-term exposure, Chronic effects, Systemic effects
Workers		Dermal	Long-term exposure, Chronic effects, Systemic effects	10 mg/kg bw/day
Consumers		Inhalation	Long-term exposure, Chronic effects, Systemic effects	23 mg/m ³

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	Consumers	Dermal	Long-term exposure, Chronic effects, Systemic effects	5 mg/kg bw/day
	Consumers	Oral	Long-term exposure, Chronic effects, Systemic effects	5 mg/kg bw/day
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salt	Workers	Dermal	Long-term exposure, Chronic effects, Systemic effects	1,7 mg/kg bw/day
	Consumers	Dermal	Long-term exposure, Chronic effects, Systemic effects	85 mg/kg bw/day
	Consumers	Oral	Short-term exposure, Acute effects, Systemic effects	89 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
acetophenone	Fresh water	0,086 mg/l
	Marine water	0,009 mg/l
	Aqua intermittent	0,864 mg/l
	Fresh water sediment	0,178 mg/kg dry weight (d.w.)
	Other environmental compartments	0,018 mg/kg dry weight (d.w.)
	Soil	0,155 mg/kg dry weight (d.w.)
Fatty acids, C16-18 and C18-unsatd., Me esters	Sewage treatment plant	10 mg/l
	Fresh water	2,504 mg/l
	Marine water	0,2504 mg/l
	Aqua intermittent	25,04 mg/l
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salt	Sewage treatment plant	520 mg/l
	Fresh water	0,023 mg/l
	Marine water	0,0023 mg/l
	Aqua intermittent	0,01 mg/l
	Fresh water sediment	0,174 mg/kg dry weight (d.w.)
Other environmental compartments	Other environmental compartments	0,0174 mg/kg dry weight (d.w.)
	Soil	0,62 mg/kg dry weight (d.w.)
	Sewage treatment plant	3 mg/l

8.2 Exposure controls

Engineering measures

Effective exhaust ventilation system
Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Safety glasses with side-shields
Equipment should conform to EN 166

Hand protection

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Remarks : Protective gloves complying with EN 374. Gloves must be inspected prior to use. 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. 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.
Preventive skin protection

Respiratory protection : Apply technical measures to comply with the occupational exposure limits.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	liquid
Colour	:	yellow
Odour	:	No data available
Odour Threshold	:	No data available
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	103 °C Method: Regulation (EC) No. 440/2008, Annex, A.9

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Auto-ignition temperature	:	No data available
pH	:	No data available
Viscosity	:	
Viscosity, kinematic	:	8,04 mm ² /s (40 °C) Method: OECD Test Guideline 114
Solubility(ies)	:	
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Vapour pressure	:	No data available
Relative density	:	No data available
Density	:	ca. 0,98 g/cm ³ (20 °C) Method: OECD Test Guideline 109
Relative vapour density	:	No data available
Particle characteristics	:	
Particle size	:	Not applicable

9.2 Other information

Explosives	:	Not explosive Method: Regulation (EC) No. 440/2008, Annex, A.14
Self-ignition	:	400 °C Method: Regulation (EC) No. 440/2008, Annex, A.15

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	No dangerous reaction known under conditions of normal use.
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10.4 Conditions to avoid

Conditions to avoid : Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

None, when used as directed.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Harmful if inhaled.

Product:

Acute oral toxicity : LD50 (Rat): 2.500 mg/kg
Method: OECD Test Guideline 423

Acute inhalation toxicity : LC50 (Rat, male): 4,56 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance/mixture is not toxic on inhalation as defined by dangerous goods regulations.

LC50 (Rat, female): > 5,16 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance/mixture is not toxic on inhalation as defined by dangerous goods regulations.

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402

Components:

Quizalofop-P-ethyl, CAS: 100646-51-3

Acute oral toxicity : LD50 (Rat): 1.182 mg/kg
Remarks: Source: EFSA

Acute toxicity estimate: 1.182 mg/kg
Method: Calculation method

Acute inhalation toxicity : LC50 (Rat): 5,8 mg/l

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Exposure time: 4 h
Test atmosphere: dust/mist
Remarks: Source: EFSA

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg
Remarks: Source: EFSA

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salt, EC: 932-231-6

Acute oral toxicity : LD50 (Rat): 4.445 mg/kg
Method: OECD
Remarks: Source: ECHA

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402
Remarks: Source: ECHA

Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.

Product:

Species : Rabbit
Assessment : Repeated exposure may cause skin dryness or cracking.
Method : OECD Test Guideline 404
Result : No skin irritation

Components:

hydrocarbons, C10-C13, aromatics, <1% naphthalene, EC: 922-153-0

Result : Repeated exposure may cause skin dryness or cracking.

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salt, EC: 932-231-6

Species : Rabbit
Method : OECD Test Guideline 404
Result : irritant
Remarks : Source: ECHA

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Species : Rabbit
Method : OECD Test Guideline 405
Result : No eye irritation

Components:

Quizalofop-P-ethyl, CAS: 100646-51-3

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Result : low-irritant
Remarks : Based on available data, the classification criteria are not met.
Source: EFSA

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salt, EC: 932-231-6

Species : Rabbit
Method : OECD Test Guideline 405
Result : strongly irritant
Remarks : Source: ECHA

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Product:

Exposure routes : Dermal
Species : Guinea pig
Method : OECD Test Guideline 406
Result : non-sensitizing

Components:

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salt, EC: 932-231-6:

Exposure routes : Dermal
Species : Guinea pig
Method : OECD Test Guideline 406
Result : non-sensitizing
Remarks : Source: ECHA

Germ cell mutagenicity

Not classified based on available information.

Product:

Genotoxicity in vitro : Test Type: reverse mutation assay
Test system: Salmonella typhimurium
Method: OECD Test Guideline 471
Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

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STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 3,89 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 8,9 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : NOEC (Desmodesmus subspicatus (green algae)): 1,19 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

NOEC (Navicula pelliculosa (Freshwater diatom)): 3,61 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Ecotoxicology Assessment

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

Components:

Quizalofop-P-ethyl, CAS: 100646-51-3

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,21 mg/l
Exposure time: 96 h

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Remarks: Source: EFSA

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,29 mg/l
Exposure time: 48 h
Remarks: Source: EFSA

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (algae)): 0,021 mg/l
Exposure time: 72 h
Remarks: Source: EFSA

M-Factor (Acute aquatic toxicity) : 10

Toxicity to fish (Chronic toxicity) : NOEC: 0,044 mg/l
Exposure time: 21 d
Species: Oncorhynchus mykiss (rainbow trout)
Remarks: Source: EFSA

M-Factor (Chronic aquatic toxicity) : 10

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salt, EC: 932-231-6

Toxicity to fish : LC50 (freshwater fish): 1 - 10 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Remarks: Source: ECHA

Toxicity to fish (Chronic toxicity) : NOEC: 0,23 mg/l
Exposure time: 72 d
Species: Oncorhynchus mykiss (rainbow trout)
Method: OECD Test Guideline 210
Remarks: Source: ECHA

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Components:

Quizalofop-P-ethyl, CAS: 100646-51-3

Partition coefficient: n-octanol/water : log Pow: 4,61 (23 °C)
Remarks: Source: EFSA

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

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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 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Environmental fate and pathways : Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : In accordance with local and national regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Avoid discharge to drain or surface water.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.

SECTION 14: Transport information

14.1 UN number or ID 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.

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(Quizalofop-P-ethyl, hydrocarbons, C10-C13, aromatics, <1% naphthalene)

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Quizalofop-P-ethyl, hydrocarbons, C10-C13, aromatics, <1% naphthalene)

RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Quizalofop-P-ethyl, hydrocarbons, C10-C13, aromatics, <1% naphthalene)

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Quizalofop-P-ethyl, hydrocarbons, C10-C13, aromatics, <1% naphthalene)

IATA : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Quizalofop-P-ethyl, hydrocarbons, C10-C13, aromatics, <1% naphthalene)

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

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Labels : 9
EmS Code : F-A, S-F

IATA (Cargo)

Packing instruction (cargo aircraft) : 964
Packing instruction (LQ) : Y964
Packing group : III
Labels : Miscellaneous Dangerous Goods

IATA (Passenger)

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

14.5 Environmental hazards

ADN

Environmentally hazardous : yes

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

IATA (Passenger)

Environmentally hazardous : yes

IATA (Cargo)

Environmentally hazardous : yes

14.6 Special precautions for user

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

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

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

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

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Concern for Authorisation (Article 59).

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

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not listed

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. E2 ENVIRONMENTAL HAZARDS

Other regulations:

Adhere to the national sanitary and occupational safety regulations when using this product.

The components of this product are reported in the following inventories:

TCSI	: Not in compliance with the inventory
TSCA	: Product contains substance(s) not listed on TSCA inventory.
AIIC	: Not in compliance with the inventory
DSL	: This product contains one or several components that are not on the Canadian DSL nor NDSL.
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: Not in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: Not in compliance with the inventory
NZIoC	: Not in compliance with the inventory
TECI	: Not in compliance with the inventory

Regulation (EC) Nr. 1107/2009 concerning the placing of plant protection products on the market
Regulation (EC) Nr. 1107/2009 concerning the placing of plant protection products on the market

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-
- SP 1 Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.
- Spe3 To protect non-target plants, maintain a 5 m wide protective strip between the treated area and the uncultivated zone without a reduction in flight or 1 m with a 75% reduction in flight.
- SPe 4 To protect aquatic organisms/non-target plants do not apply on impermeable surfaces such as asphalt, concrete, cobblestones, railway tracks and other situations with a high risk of run-off.

Safety data sheet available for professional user on request.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the Safety Data Sheet

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case. EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Full text of H-Statements

- H302 : Harmful if swallowed.
H304 : May be fatal if swallowed and enters airways.
H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
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.
H412 : Harmful to aquatic life with long lasting effects.
EUH066 : Repeated exposure may cause skin dryness or cracking.

Full text of other abbreviations

- Acute Tox. : Acute toxicity
Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard
Asp. Tox. : Aspiration hazard
Eye Dam. : Serious eye damage

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Eye Irrit. : Eye irritation
Skin Irrit. : Skin irritation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - 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; 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information : Safety data sheet according to regulation (EC) No. 2020/878

Classification of the mixture:

Acute Tox. 4	H332
Asp. Tox. 1	H304
Aquatic Chronic 2	H411

Classification procedure:

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

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The safety data sheet describes products with a view to safety requirements.

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It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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