

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 2/24/2017 Revision date: 12/14/2023 Supersedes version of: 11/24/2021 Version: 3.1

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

#### 1.1. Product identifier

Product form : Mixture

Trade name : Chikara Weed Control

Product code : SL-160 25WG, IBE 3898, C1610
Type of product : WG (Water dispersible granule)

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use Use of the substance/mixture : Herbicide

#### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Certis Belchim B.V.,

Suite 5, 3 Riverside, Granta Park,

Great Abington Cambridgeshire, CB21 6AD.

United Kingdom

T +44 (0)1223 652500, F +44 (0)1223 891210 info.uk@certisbelchim.com, www.certisbelchim.com

#### 1.4. Emergency telephone number

Emergency number : +44 1235 239670

24 H/7 days/English/French/German/Dutch

### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

## Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment – Acute Hazard, Category 1 H400 Hazardous to the aquatic environment – Chronic Hazard, Category 1 H410

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

Very toxic to aquatic life with long lasting effects.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

\*\*\*

GHS09

Signal word (CLP) : Warning

Hazard statements (CLP) : H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.

P391 - Collect spillage.

P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-

hazardous waste.

EUH-statements : EUH210 - Safety data sheet available on request.

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

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Flazasulfuron (ISO)	CAS-No.: 104040-78-0 EC Index-No.: 016-085-00-2	≥ 25 - ≤ 50	Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=100)
Quarz (SiO2)	CAS-No.: 14808-60-7 EC-No.: 238-878-4	≥ 20 – ≤ 25	Not classified
Methylnaphtalenesulfonic acid/formaldehyde, copolymer, sodium salt	CAS-No.: 81065-51-2	< 10	Eye Irrit. 2, H319 Aquatic Chronic 3, H412
Reaction product of naphthalene, propan-2-ol, sulfonated and neutralized by caustic soda	EC-No.: 939-368-0	< 5	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 Eye Dam. 1, H318 STOT SE 3, H335

Comments : <0.1%

Silica, respirable crystalline

Full text of H- and EUH-statements: see section 16

## **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

First-aid measures general : Consult a doctor/medical service if you feel unwell.

First-aid measures after inhalation : Move the affected person to the fresh air. Respiratory problems: consult a doctor/medical

service

First-aid measures after skin contact : Wash skin with mild soap and water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Immediately rinse with plenty of water. Consult an eye specialist if necessary.

First-aid measures after ingestion : Do not induce vomiting. Rinse mouth out with water. Consult a doctor/medical service if you

feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : None known.

## 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Polyvalent foam. Dry powder. Carbon dioxide. Water spray.

Unsuitable extinguishing media : Strong water jet.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire Corrosive vapours. Nitrous fumes. Hydrofluoric Acid. Sulphur oxides. Carbon monoxide.

Carbon dioxide.

#### 5.3. Advice for firefighters

Firefighting instructions : Dilute toxic gases with water spray. Prevent fire fighting water from entering the

environment. Contain the extinguishing fluids by bunding (the product is hazardous for the

Protection during firefighting Gloves. Protective non-flammable clothing. Dust cloud production: compressed air/oxygen

apparatus. Heat/fire exposure: compressed air/oxygen apparatus.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid dust production. No naked flames.

6.1.1. For non-emergency personnel

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.1.2. For emergency responders

Protective equipment : Protective gloves. Protective clothing. Dust cloud production: compressed air/oxygen

apparatus. For further information refer to section 8: "Exposure controls/personal

protection".

#### 6.2. Environmental precautions

Contain leaking substance, pump over in suitable containers. Dam up the solid spill. Knock down/dilute dust cloud with water spray. Prevent entry to sewers and public waters. Prevent soil and water pollution.

#### 6.3. Methods and material for containment and cleaning up

For containment : Prevent dispersion by covering with dry sand/earth.

Methods for cleaning up Wash contaminated area with large amounts of water.

#### 6.4. Reference to other sections

For further information refer to section 13.

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Precautions for safe handling : Avoid dust formation. Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking. Do not discharge the waste into the drain.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Remove

immediately contaminated clothing. Do not drink, eat or smoke in the workplace.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep the container hermetically sealed.

Incompatible materials : Heat sources.

Special rules on packaging : Keep only in original container.

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### 7.3. Specific end use(s)

Herbicide.

### **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

Quarz (SiO2) (14808-60-7)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Silica crystaline (Quartz)	
IOEL TWA	0.05 mg/m³ (respirable dust)	
Remark	(Year of adoption 2003) (Year of adoption 2003)	
Regulatory reference	SCOEL Recommendations SCOEL Recommendations	
EU - Binding Occupational Exposure Limit (BOEL)		
Local name	Respirable crystalline silica dust	
BOEL TWA	0.1 mg/m³ (Respirable fraction)	
Regulatory reference	DIRECTIVE (EU) 2019/130 (amending Directive 2004/37/EC)	

### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

## 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Extraction to remove dust at its source. Provide local exhaust or general room ventilation.

## 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

#### Eye protection:

Safety glasses

## 8.2.2.2. Skin protection

#### Skin and body protection:

protective clothing

#### Hand protection:

PVC or other plastic material or natural rubber gloves

## 8.2.2.3. Respiratory protection

### Respiratory protection:

Dust production: dust mask with filter type P1

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#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Avoid release to the environment.

#### Other information:

Physical state

For UK: The above exposure control/personal protection recommendations are for manufacturing, formulation and packaging. For commercial and/or agricultural use, see product label.

: Solid

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Colour brown. Appearance Granulate. Odour slight. cinnamon. Odour threshold Not available Melting point Not available Freezing point Not available Boiling point : Not available Flammability : Not flammable Explosive properties : Not explosive. Oxidising properties : Non oxidizing. **Explosive limits** : Not applicable : Not applicable Lower explosion limit Upper explosion limit : Not applicable Flash point : Not relevant Auto-ignition temperature : Not applicable Decomposition temperature : Not available pΗ : Not available pH solution : 4.84 (1 %) Viscosity, kinematic : Not relevant Solubility : Not available : Not available Partition coefficient n-octanol/water (Log Kow) Vapour pressure : Not available Vapour pressure at 50°C : Not available Density 840 kg/m3 (25 °C) Relative density : Not relevant Relative vapour density at 20°C : Not applicable Particle size : Not available Particle size distribution Not available Particle shape Not available Particle aspect ratio Not available Particle aggregation state Not available Particle agglomeration state Not available Particle specific surface area Not available Particle dustiness Not available

#### 9.2. Other information

## 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 0 %

Particles size :  $> 710 \mu m (97.2 \%)$ 

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## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

## 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

None under normal conditions.

### 10.4. Conditions to avoid

Avoid dust formation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

None to our knowledge.

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)

	available data, the classification criteria are not met)	
Chikara Weed Control		
LD50 oral rat	4694 mg/kg bodyweight (male)	
LD50 dermal rat	> 2000 mg/kg bodyweight	
LC50 Inhalation - Rat	> 6.17 mg/l/4h	
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)	
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)	
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)	
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)	
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)	

	available data, the classification criteria are not met)
Flazasulfuron (ISO) (104040-78-0)	
NOAEL (chronic, oral, animal/male, 2 years)	> 70.1 mg/kg bodyweight
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)

Reaction product of naphthalene, propan-2-ol, sulfonated and neutralized by caustic soda	
STOT-single exposure	May cause respiratory irritation.

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STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met) (Based on
	available data, the classification criteria are not met)

	available data, the diagonication official are not mety
Flazasulfuron (ISO) (104040-78-0)	
LOAEL (oral, rat, 90 days)	57.1 mg/kg bodyweight/day
NOAEL (oral, rat, 90 days)	11.7 mg/kg bodyweight/day
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
Chikara Wood Control	

Chikara Weed Control		
	Viscosity, kinematic	Not relevant

### 11.2. Information on other hazards

No additional information available

## **SECTION 12: Ecological information**

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term

acute)

: Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term

: Very toxic to aquatic life with long lasting effects.

(chronic)

Chikara Weed Control	
LC50 - Fish [1]	> 100 mg/l (96H) (Oncorhynchus mykiss (Rainbow trout))
EC50 - Crustacea [1]	> 100 mg/l (48H) (Daphnia magna)
ErC50 algae	> 0.2 mg/l (72H) (Pseudokirchneriella subcapitata)
ErC50 other aquatic plants	0.0049 mg/l (7d) (Lemna gibba)

### 12.2. Persistence and degradability

Flazasulfuron (ISO) (104040-78-0)	
Persistence and degradability	Not readily biodegradable.

## 12.3. Bioaccumulative potential

Flazasulfuron (ISO) (104040-78-0)	
Partition coefficient n-octanol/water (Log Pow)	1.3 (pH 5, 25°C, 99.8%); <-0.06 (pH 7, 25°C, 99.8%)

### 12.4. Mobility in soil

Flazasulfuron (ISO) (104040-78-0)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.77 (pH > 6); 2.24 (pH < 6)

## 12.5. Results of PBT and vPvB assessment

### **Chikara Weed Control**

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Not dangerous for the ozone layer

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods

Product/Packaging disposal recommendations

**Ecological information** 

European List of Waste (LoW, EC 2000/532)

**HP Code** 

- : Do not dispose of with domestic waste.
- Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. Dispose of in accordance with relevant local regulations.
- : Do not discharge into drains or rivers.
- : 02 01 08\* agrochemical waste containing dangerous substances
  - 15 01 10\* packaging containing residues of or contaminated by dangerous substances
- : HP4 "Irritant skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

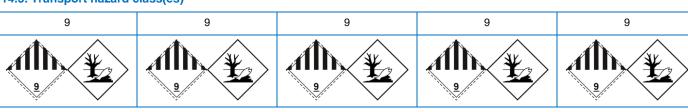
## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
Special provision(s) applied : 375	Special provision(s) applied : 969	Special provision(s) applied : A197	Special provision(s) applied : 375	Special provision(s) applied : 375

These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 I or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

14.1. UN number or ID number				
UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
14.2. UN proper shippin	g name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flazasulfuron)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flazasulfuron)	Environmentally hazardous substance, solid, n.o.s. (Flazasulfuron)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flazasulfuron)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flazasulfuron)
Transport document descr	Transport document description			
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flazasulfuron), 9, III, (-)	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flazasulfuron), 9, III, MARINE POLLUTANT	UN 3077 Environmentally hazardous substance, solid, n.o.s. (Flazasulfuron), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flazasulfuron), 9,	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flazasulfuron), 9,
14.3. Transport hazard class(es)				
9	9	9	9	9



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ADR	IMDG	IATA	ADN	RID
14.4. Packing group				
III	III	III	III	III
14.5. Environmental haz	ards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes

### 14.6. Special precautions for user

#### **Overland transport**

Special provisions (ADR) : 274, 335, 375, 601

Orange plates :

90 3077

EAC code : 2Z

#### Transport by sea

No data available

#### Air transport

No data available

#### Inland waterway transport

Classification code (ADN) : M7 Number of blue cones/lights (ADN) : 0

Additional requirements/Remarks (ADN) : \* Only in the molten state. \*\* For carriage in bulk see also 7.1.4.1. \*\*\* Only in the case of

transport in bulk.

#### Rail transport

No data available

## 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

## **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

#### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

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#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### **VOC Directive (2004/42)**

VOC content : 0 %

## **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.2. Chemical safety assessment

Not subject

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
1.1	Product code	Modified	
1.1	Name	Modified	
1.4	Emergency procedures	Modified	
8.2	Other information	Added	

Abbreviations and acronyms:		
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	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	

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Abbreviations and acronyms:		
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Data sources : SDS of suppliers.

Full text of H- and EUH-statements:		
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
EUH210	Safety data sheet available on request.	
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H302	Harmful if swallowed.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
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.	
H412	Harmful to aquatic life with long lasting effects.	

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Full text of H- and EUH-statements:	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Aquatic Acute 1	H400	On basis of test data
Aquatic Chronic 1	H410	Expert judgement

The classification complies with : ATP 8

Safety Data Sheet (SDS), EU Certis Belchim

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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