

Trade name: ZINZAN**Product no.:** CE 000 C0079 UK**Current version :** 2.0.4, issued: 28.06.2023**Replaced version:** 2.0.3, issued: 22.06.2023**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****ZINZAN****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Plant protection product for professional use. Agriculture.

Auxiliary agent

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

Certis Belchim B.V. (EU)

Stadsplateau 16

3521 AZ Utrecht - Nederland

Telephone no. 0031 (0)30 200 1200

Fax no. 0031 (0)30 310 0241

e-mail info@certisbelchim.com**Advice on Safety Data Sheet**www.certisbelchim.com**Identification of the supplier****Address**

Certis Belchim B.V. - United Kingdom

Suite 5, 3 Riverside, Granta Park - Great Abington

Cambridgeshire CB21 6AD

United Kingdom

Telephone no. 0044 (0) 1223 652500

Fax no. 0044 (0)1223 891210

e-mail info.uk@certisbelchim.com - www.certisbelchim.co.uk**1.4 Emergency telephone number**

Carechem 24 EU: +44 1235 239670

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Eye Dam. 1; H318

Skin Irrit. 2; H315

Classification information

Classification and labelling are based on toxicological studies performed on the product (mixture).

Classification and labelling with respect to water pollution risks are based on ecotoxicological studies performed on the product (mixture).

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

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GHS05

Signal word

Danger

Hazardous component(s) to be indicated on label:

Docusate-sodium

Hazard statement(s)

H315

Causes skin irritation.

H318

Causes serious eye damage.

Hazard statements (EU)

EUH208

Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H - isothiazol-3-one (3:1). May produce an allergic reaction.

EUH401

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

Precautionary statement(s)

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352

IF ON SKIN: Wash with plenty of 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.

P501

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

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Chemical characterization**

Sodium sulphosuccinate 70% (SL)

Hazardous ingredients

No	Substance name	Classification (EC) 1272/2008 (CLP)	Additional information	
	CAS / EC / Index / REACH no		Concentration	%
1	Docusate-sodium			
	577-11-7 209-406-4 - 01-2119491296-29	Eye Dam. 1; H318 Skin Irrit. 2; H315	>= 25.00 - < 50.00	wt%
2	bronopol		pls. refer to footnote (1)	
	52-51-7 200-143-0 603-085-00-8 -	Acute Tox. 4*; H302 Acute Tox. 4*; H312 Aquatic Acute 1; H400 Eye Dam. 1; H318 Skin Irrit. 2; H315 STOT SE 3; H335 Aquatic Chronic 2; H411	< 0.10	wt%
3	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H - isothiazol-3-one (3:1)			

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	55965-84-9 - 613-167-00-5 -	Acute Tox. 2; H310 Acute Tox. 2; H330 Acute Tox. 3; H301 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 Eye Dam. 1; H318 Skin Corr. 1C; H314 Skin Sens. 1A; H317	< 0.0015	wt%
4	propane-1,2-diol			
	57-55-6 200-338-0 - 01-2119456809-23	-	>= 5.00 - < 10.00	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(*, **, ***, ****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	-	-	M = 10	-
3	B	Skin Sens. 1A; H317: C >= 0.0015% Eye Irrit. 2; H319: C >= 0.06% Skin Irrit. 2; H315: C >= 0.06% Skin Corr. 1C; H314: C >= 0.6% Eye Dam. 1; H318: C >= 0.6%	M = 100	M = 100

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

No special measures necessary. In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes and launder thoroughly before reusing.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air.

After skin contact

When in contact with the skin, clean with soap and water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Call a doctor immediately and show label or packaging. Do not induce vomiting. Rinse the mouth thoroughly with water. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam; Carbon dioxide; Extinguishing powder; Water spray jet

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High power water jet

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Wear protective clothing.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge uncontrolled into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

Information regarding waste disposal, see section 13. Information regarding personal protective measures, see section 8. Information regarding safe handling, see section 7.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

No special measures necessary if stored and handled as prescribed. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Do not eat, drink or smoke during work time. Remove soiled or soaked clothing immediately. Do not inhale vapours.

Advice on protection against fire and explosion

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place. Keep from freezing. Protect from heat and direct sunlight.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container.

Incompatible products

Do not store together with foodstuffs. Do not store together with: oxidizing agents; Acids

7.3 Specific end use(s)**Industry solution**

Always read the label and product information before use.

SECTION 8: Exposure controls/personal protection

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No	Substance name	CAS no.	EC no.
1	propane-1,2-diol	57-55-6	200-338-0
	List of approved workplace exposure limits (WELs) / EH40		
	Propane-1,2-diol		
	vapour & particulates		
	WEL long-term (8-hr TWA reference period)	474 mg/m ³	150 ppm
	List of approved workplace exposure limits (WELs) / EH40		
	Propane-1,2-diol particulates		
	WEL long-term (8-hr TWA reference period)	10 mg/m ³	
2	propane-1,2-diol	57-55-6	200-338-0
	List of approved workplace exposure limits (WELs) / EH40		
	Propane-1,2-diol		
	vapour & particulates		
	WEL long-term (8-hr TWA reference period)	474 mg/m ³	150 ppm
	List of approved workplace exposure limits (WELs) / EH40		
	Propane-1,2-diol particulates		
	WEL long-term (8-hr TWA reference period)	10 mg/m ³	

DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name	CAS / EC no
	Route of exposure	Value
1	Docusate-sodium	577-11-7 209-406-4
	dermal	Long term (chronic) systemic 267.86 mg/kg/day
	inhalative	Long term (chronic) systemic 1889.1 mg/m ³

DNEL value (consumer)

No	Substance name	CAS / EC no
	Route of exposure	Value
1	Docusate-sodium	577-11-7 209-406-4
	oral	Long term (chronic) systemic 17.86 mg/kg/day
	dermal	Long term (chronic) systemic 160.71 mg/kg/day
	inhalative	Long term (chronic) systemic 599.01 mg/m ³

PNEC values

No	Substance name	CAS / EC no
	ecological compartment	Value
1	Docusate-sodium	577-11-7 209-406-4
	water	fresh water 0.18 mg/L
	water	marine water 0.018 mg/L
	water	fresh water sediment 17.789 mg/kg dry weight
	water	marine water sediment 1.779 mg/kg dry weight
	soil	- 1.04 mg/kg dry weight
	sewage treatment plant	- 12.2 mg/L

8.2 Exposure controls**Appropriate engineering controls**

No data available.

Personal protective equipment

Trade name: ZINZAN**Product no.:** CE 000 C0079 UK**Current version :** 2.0.4, issued: 28.06.2023**Replaced version:** 2.0.3, issued: 22.06.2023**Region:** GB**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses (EN 166)

Hand protection

In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material nitrile rubber

Other

Chemical-resistant work clothes. Rubber boots. (EN 13832-3/EN ISO 20345)

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation	
liquid	
Form	
liquid	
Colour	
No data available	
Odour	
No data available	
pH value	
Value	7
Boiling point / boiling range	
Value	100 °C
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
Value	> 100 °C
Ignition temperature	
No data available	
Flammability	
No data available	
Lower explosion limit	
No data available	
Upper explosion limit	
No data available	
Vapour pressure	
No data available	
Relative vapour density	

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No data available

Relative density

No data available

Density

Value	1.08	kg/l
Reference temperature	20	°C
Source	Manufacturer	

Solubility

No data available

Partition coefficient n-octanol/water (log value)

No	Substance name	CAS no.	EC no.
1	Docusate-sodium	577-11-7	209-406-4
log Pow		1.998	
Reference temperature		20	°C
with reference to		pH = 5	
Method		calculated	
Source		ECHA	

Kinematic viscosity

Value	250	mPa*s
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Particle characteristics

No data available

9.2 Other information**Other information**

No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

The product is stable under normal storage and handling conditions.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

Oxidizing agents; Acids

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity			
No	Product Name		
1	ZINZAN		
LD50		3000	mg/kg
Species	rat		
Source	Manufacturer		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.

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1	Docusate-sodium	577-11-7	209-406-4
LD50		>	10000 mg/kg bodyweight
Species		rabbit	
Method		OECD 402	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Acute inhalational toxicity

No data available

Skin corrosion/irritation**No Product Name****1 ZINZAN**

Source Manufacturer

Evaluation irritant

Serious eye damage/irritation**No Product Name****1 ZINZAN**

Source Manufacturer

Evaluation risk of strong eye injuries

Respiratory or skin sensitisation**No Product Name****1 ZINZAN**

Route of exposure Skin

Source Manufacturer

Evaluation/classification Based on available data, the classification criteria are not met.

Germ cell mutagenicity**No Substance name****CAS no.****EC no.****1 Docusate-sodium****577-11-7****209-406-4**

Type of examination in vitro gene mutation study in bacteria
 Species S. typhimurium TA 1535, TA 1537, TA 98 and TA 100S. typhimurium TA 1535, TA 1537, TA 98, TA 100, TA 102

Method OECD 471

Source ECHA

Evaluation/classification Based on available data, the classification criteria are not met.

Route of exposure oral

Type of examination In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus

Species rat

Method OECD 474

Source ECHA

Evaluation/classification Based on available data, the classification criteria are not met.

Reproduction toxicity**No Substance name****CAS no.****EC no.****1 Docusate-sodium****577-11-7****209-406-4**

Route of exposure oral

Type of examination three-generation reproductive toxicity

Species rat

Method OECD 416

Source ECHA

Evaluation/classification Based on available data, the classification criteria are not met.

Route of exposure oral

NOAEL 1074 mg/kg bw/d

Type of examination Prenatal Developmental Toxicity Study

Species rat

Method OECD 414

Source ECHA

Evaluation/classification Based on available data, the classification criteria are not met.

Trade name: ZINZAN**Product no.:** CE 000 C0079 UK**Current version :** 2.0.4, issued: 28.06.2023**Replaced version:** 2.0.3, issued: 22.06.2023**Region:** GB**Carcinogenicity**

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No	Substance name	CAS no.	EC no.
1	Docusate-sodium	577-11-7	209-406-4
Route of exposure		oral	
NOAEL		> 1000	mg/kg bw/d
Species		rat	
Method		OECD 408	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Aspiration hazard

No data available

11.2 Information on other hazards**Endocrine disrupting properties**

No data available.

Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity****Toxicity to fish (acute)**

No	Product Name		
1	ZINZAN		
LC50		49	mg/l
Duration of exposure		96	h
Species		fish	
Source		Manufacturer	

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No	Product Name		
1	ZINZAN		
EC50		6.6	ppm
Duration of exposure		48	h
Species		Daphnia	
Source		Manufacturer	

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)

No	Product Name		
1	ZINZAN		
ErC50		82.5	mg/l
Duration of exposure		72	h
Species		Algae	
Source		Manufacturer	

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No	Substance name	CAS no.	EC no.
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1	Docusate-sodium	577-11-7	209-406-4
EC50		164	mg/l
Duration of exposure		16.5	h
Species	Pseudomonas putida		
Method	DIN 38412 T.8		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	Docusate-sodium	577-11-7	209-406-4
Type	aerobic biodegradation		
Value		91.2	%
Duration		28	day(s)
Method	OECD 310		
Source	ECHA		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Docusate-sodium	577-11-7	209-406-4
log Pow		1.998	
Reference temperature		20	°C
with reference to	pH = 5		
Method	calculated		
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

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The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)				
The product contains following substance(s) that are considered being a substance subject to Authorisation) according to REACH regulation ((EC) 1907/2006) annex XIV:				
No	Substance name	CAS no.	EC no.	
1	NONYLPHENOL, ETHOXYLATED	9016-45-9	500-024-6	
REACH candidate list of substances of very high concern (SVHC) for authorisation				
The product contains following substance(s) meeting the criteria in Article 57 in association with Article 59 of the REACH regulation ((EC) 1907/2006) that are placed on the list of candidates considered for inclusion in annex XIV (substances subject to Authorisation).				
No	Substance name	CAS no.	EC no.	
1	NONYLPHENOL, ETHOXYLATED	9016-45-9	500-024-6	
Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES				
The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.			No 3	
The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.				
No	Substance name	CAS no.	EC no.	No
1	bronopol	52-51-7	200-143-0	75
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances				
This product is not subject to Part 1 or 2 of Annex I.				
Other regulations				
Adhere to the national sanitary and occupational safety regulations when using this product.				

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 data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

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 section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH071

Corrosive to the respiratory tract.

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H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H335	May cause respiratory 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.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

B Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

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

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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