

Trade name: SPRUZIT**Product no.:** ND 102 C0077/UK**Current version :** 2.0.0, issued: 10.02.2022**Replaced version:** 1.0.3, issued: 25.05.2020**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****SPRUZIT****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

Insecticide

Uses advised against

No data available.

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

Certis Europe B.V. - United Kingdom

Suite 5, 3 Riverside

Granta Park - Great Abington

Cambridgeshire CB21 6AD

United Kingdom

Telephone no. +44 (0) 1223 894 261

Fax no. +44 (0)1223 891210

e-mail info@certiseurope.co.uk - www.certiseurope.co.uk

Advice on Safety Data Sheet

certis@certiseurope.co.uk

1.4 Emergency telephone number

Carechem 24 GB: +44 870 190 6777

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

Aquatic Chronic 1; H410

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**

GHS09

Signal word

Warning

Hazard statement(s)

H410

Very toxic to aquatic life with long lasting effects.

Trade name: SPRUZIT**Product no.:** ND 102 C0077/UK**Current version :** 2.0.0, issued: 10.02.2022**Replaced version:** 1.0.3, issued: 25.05.2020**Region:** GB**Hazard statements (EU)**

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

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P273 Avoid release to the environment.
 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**

Pyrethrins 4,59 g/l (EC)

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	Pyrethrins			
	8003-34-7 232-319-8 613-022-00-6 -	Acute Tox. 4*; H302 Acute Tox. 4*; H312 Acute Tox. 4*; H332 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 2.50	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

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	A	-	-	-

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**

If medical advice is needed, have product container or label at hand.

After inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

After skin contact

Take off contaminated clothing. Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention

After ingestion

Rinse mouth. Call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

Trade name: SPRUZIT**Product no.:** ND 102 C0077/UK**Current version :** 2.0.0, issued: 10.02.2022**Replaced version:** 1.0.3, issued: 25.05.2020**Region:** GB**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

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

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixtureIn the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)**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. Notify the authorities if product enters sewers or public waters.

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

Keep away from sources of ignition.

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.

Recommended storage temperature

Value < 35 °C

Requirements for storage rooms and vessels

Trade name: SPRUZIT**Product no.:** ND 102 C0077/UK**Current version :** 2.0.0, issued: 10.02.2022**Replaced version:** 1.0.3, issued: 25.05.2020**Region:** GB

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 food, beverages and animal feeds

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

Always read the label and product information before use.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	Pyrethrins	8003-34-7	232-319-8
List of approved workplace exposure limits (WELs) / EH40			
Pyrethrum			
purified of sensitising lactones			
	WEL long-term (8-hr TWA reference period)	1	mg/m ³
2006/15/EC			
Pyrethrum (purified of sensitising lactones)			
	WEL long-term (8-hr TWA reference period)	1	mg/m ³

8.2 Exposure controls**Appropriate engineering controls**

No data available.

Personal protective equipment**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/Colour
liquid
yellow
Odour
characteristic

Trade name: SPRUZIT**Product no.:** ND 102 C0077/UK**Current version :** 2.0.0, issued: 10.02.2022**Replaced version:** 1.0.3, issued: 25.05.2020**Region:** GB

pH value	
Value	6.6
Reference temperature	20 °C
Concentration	1 % (water)

Boiling point / boiling range	
Value	appr. 300 °C

Melting point/freezing point	
Value	-17.6 °C

Decomposition temperature	
No data available	

Flash point	
Value	145 °C

Ignition temperature	
Value	> 400 °C

Flammability	
No data available	

Lower explosion limit	
No data available	

Upper explosion limit	
No data available	

Vapour pressure	
No data available	

Relative vapour density	
No data available	

Relative density	
No data available	

Density	
Value	0.917 g/cm ³
Reference temperature	20 °C

Solubility in water	
Comments	emulsifiable

Solubility	
No data available	

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Pyrethrins	8003-34-7	232-319-8
	log Pow	4.3	- 5.9
	Source	Manufacturer	

Viscosity	
Value	67.1 mPa*s
Reference temperature	20 °C

Particle characteristics	
No data available	

9.2 Other information

Other information	
No data available.	

SECTION 10: Stability and reactivity

Trade name: SPRUZIT**Product no.:** ND 102 C0077/UK**Current version :** 2.0.0, issued: 10.02.2022**Replaced version:** 1.0.3, issued: 25.05.2020**Region:** GB**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

Heat, flames and sparks.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

Combustion or thermal decomposition may generate toxic vapours.

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	SPRUZIT		
LD50	>	2000	mg/kg
Species	rat		
Method	OECD 401		

Acute dermal toxicity			
No	Product Name		
1	SPRUZIT		
LD50	>	2000	mg/kg
Species	rat		
Method	OECD 402		

Acute inhalational toxicity			
No	Product Name		
1	SPRUZIT		
LC50		2.36	mg/m ³
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Comments	highest checkable concentration		

Skin corrosion/irritation			
No	Product Name		
1	SPRUZIT		
Species	rabbit		
Method	OECD 404		
Evaluation	non-irritant		

Serious eye damage/irritation			
No	Product Name		
1	SPRUZIT		
Species	rabbit		
Method	OECD 405		
Evaluation	non-irritant		

Respiratory or skin sensitisation			
No	Product Name		
1	SPRUZIT		
Route of exposure	Skin		
Species	guinea pig		

Trade name: SPRUZIT**Product no.:** ND 102 C0077/UK**Current version :** 2.0.0, issued: 10.02.2022**Replaced version:** 1.0.3, issued: 25.05.2020**Region:** GB

Method Evaluation	OECD 406 non-sensitizing
Germ cell mutagenicity	
No data available	
Reproduction toxicity	
No data available	
Carcinogenicity	
No data available	
STOT - single exposure	
No data available	
STOT - repeated exposure	
No data available	
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	SPRUZIT		
NOEC		1.766	mg/l
Duration of exposure		96	h
Species	Rainbow trout		
Method	OECD 203		
Toxicity to fish (chronic)			
No data available			
Toxicity to Daphnia (acute)			
No	Product Name		
1	SPRUZIT		
NOEC		0.32	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Toxicity to Daphnia (chronic)			
No data available			
Toxicity to algae (acute)			
No	Product Name		
1	SPRUZIT		
NOEC		9.9	mg/l
Duration of exposure		72	h
Species	Scenedesmus subspicatus		
Method	OECD 201		
Toxicity to algae (chronic)			
No data available			
Bacteria toxicity			
No data available			

Trade name: SPRUZIT**Product no.:** ND 102 C0077/UK**Current version :** 2.0.0, issued: 10.02.2022**Replaced version:** 1.0.3, issued: 25.05.2020**Region:** GB**12.2 Persistence and degradability**

No data available.

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
1	Pyrethrins	8003-34-7	232-319-8
log Pow		4.3	- 5.9
Source	Manufacturer		

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**

Class	9
Classification code	M6
Packing group	III
Hazard identification no.	90
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	Pyrethrins
Tunnel restriction code	-
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	Pyrethrins
EmS	F-A, S-F
Label	9
Marine pollutant mark	Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class	9
-------	---

Trade name: SPRUZIT**Product no.:** ND 102 C0077/UK**Current version :** 2.0.0, issued: 10.02.2022**Replaced version:** 1.0.3, issued: 25.05.2020**Region:** GB

Packing group	III
UN number	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Technical name	Pyrethrins
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

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)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

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
----------------------------------------------------------------------------------------	------

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category:	E2
--------------------------------------------------------------	----

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)

VOC content	0.5	%
-------------	-----	---

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)

H302 Harmful if swallowed.

Trade name: SPRUZIT**Product no.:** ND 102 C0077/UK**Current version :** 2.0.0, issued: 10.02.2022**Replaced version:** 1.0.3, issued: 25.05.2020**Region:** GB

H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.

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

A Without prejudice to Article 17(2), the name of the substance must appear on the label in the form of one of the designations given in Part 3. In Part 3, use is sometimes made of a general description such as '... compounds' or '... salts'. In this case, the supplier is required to state on the label the correct name, due account being taken of section 1.1.1.4.

Creation of the safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 755681