



Safety Data Sheet according to Regulation (EC) No 1907/2006 (REACH)

SPRUZIT

Print date 27.02.2024
Revision date 18.01.2024
Version 1.0 (en,RO)

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

1.1 Product identifier

Trade name/designation SPRUZIT
Reg-Nr. 657PC din 24.11.2020

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

Use of the substance/mixture

Insecticidal concentrate.

Remark

Insecticide, contains pyrethrins - works as a neurotoxin.

1.3 Details of the supplier of the safety data sheet

Manufacturer

W. Neudorff GmbH KG
An der Mühle 3
D-31860 Emmerthal
Telephone +49 5155 624-0
Telefax +49 5155 6010
E-mail msds@neudorff.de
Website www.neudorff.de

1.4 Emergency telephone number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

	Classification procedure
Aquatic Chronic 2, H411	

Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard pictograms



GHS09

Hazard statements

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container to proper disposal.



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special rules for labelling of plant protection products

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

SP1 Do not contaminate water with the product or its container.

2.3 Other hazards

Adverse human health effects and symptoms

Keep away from surface waters.

SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Description

Pesticide (insecticide)

Hazardous ingredients

CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
		613-022-00-6	pyrethrins including cinerins	0.5 weight-%	Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	M=100 (Aquatic Acute 1) M=100 (Aquatic Chronic 1)

Remark

Contains rapeseed oil.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove casualty to fresh air and keep warm and at rest.

Following inhalation

Provide fresh air.

In the event of symptoms refer for medical treatment.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.

After eye contact

In case of contact with eyes rinse thoroughly with warm water.

Consult a physician if problems continue.

Following ingestion

In the event of symptoms refer for medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No product-specific symptoms known.



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4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water
Foam
Extinguishing powder
Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Use personal protection equipment.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up:
Universal binder

6.4 Reference to other sections

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Keep away from sources of ignition - No smoking.

Avoid:

Eye contact
Skin contact

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff.

Thorough skin-cleansing after handling the product.

Apply skin care products after work.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.



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Further information on storage conditions

Keep in a cool, well-ventilated place.
Storage temperature may not exceed 35°C.
Protect from light.

7.3 Specific end use(s)

Recommendation

Use only as insecticide spray according to the operating instructions.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Personal protection equipment

Eye/face protection

not required

Hand protection

not required

Body protection:

not required

Respiratory protection

not required

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

yellow

Odour

characteristic

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	Melting point -17.6 °C		
Boiling point or initial boiling point and boiling range	approx. 300 °C		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	145 °C		
Auto-ignition temperature	> 400 °C		
Decomposition temperature	not determined		



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	Value	Method	Source, Remark
pH	in aqueous solution 6.6 (20°C)		1% dissolved in water
Viscosity	dynamic 67.1 mPa*s (20°C)		
Solubility(ies)	Water solubility		emulsifiable
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	Relative density 0.917 g/cm ³ (20°C)		
Relative vapour density	not determined		
particle characteristics	not determined		

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Evolution of heat.

10.5 Incompatible materials

Oxidising agent

10.6 Hazardous decomposition products

Additional information

No decomposition during correct storage and use.

SECTION 11: Toxicological information

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

Acute toxicity

Animal data

	Effective dose	Method,Evaluation	Source, Remark
Acute oral toxicity	LD50: > 2000 mg/kg Species Rat	OECD 401	
Acute dermal toxicity	LD50: > 2000 mg/kg Species Rat	OECD 402	
Acute inhalation toxicity	2.36 mg/L Species Rat	OECD 403	highest checkable concentration



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Skin corrosion/irritation

Animal data

Result / Evaluation	Method	Source, Remark
non-irritant. Species Rabbit	OECD 404	

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
non-irritant. Species Rabbit	OECD 405	

Sensitisation to the respiratory tract

not determined

Skin sensitisation

Animal data

Result / Evaluation	Dose / Concentration	Method	Source, Remark
not sensitising.	Species Guinea pig	OECD 406	

Germ cell mutagenicity

not determined

Carcinogenicity

not determined

Reproductive toxicity

not determined

STOT-single exposure

not determined

STOT-repeated exposure

not determined

Aspiration hazard

not determined

11.2 Information on other hazards

No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	NOEC 1.766 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h	OECD 203	
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	NOEC 0.32 mg/L Species Daphnia magna (Big water flea) Test duration 48 h	OECD 202	
Chronic (long-term) toxicity to aquatic invertebrate	not determined		



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	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) toxicity to algae and cyanobacteria	NOEC 9.9 mg/L Species <i>Scenedesmus subspicatus</i> Test duration 72 h	OECD 201	
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

12.2 Persistence and degradability

	Value	Method	Source, Remark
Biodegradation			Biodegradable.

12.3 Bioaccumulative potential

No data available

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Waste code product	Waste name
020108 *	agrochemical waste containing hazardous substances
061301 *	inorganic plant protection products, wood-preserving agents and other biocides.

Appropriate disposal / Package

Completely emptied packages can be recycled.

Remark

Small amounts out of private households should be given away to the official disposal sites. Send to a hazardous waste incinerator facility under observation of official regulations. Follow the instructions !

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	UN 3082	-	UN 3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (pyrethrins including cinerins)	-	Environmentally hazardous substance, liquid, n.o.s. (pyrethrins including cinerins)



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	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.3 Transport hazard class(es)	9	-	9
14.4 Packing group	III	-	III
14.5 Environmental hazards	ENVIRONMENTALLY HAZARDOUS	-	ENVIRONMENTALLY HAZARDOUS

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

No data available

Land transport (ADR/RID)

UN number or ID number	UN 3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (pyrethrins including cinerins)
Transport hazard class(es)	9
Hazard label(s)	9
Classification code	M6
Packing group	III
Environmental hazards	ENVIRONMENTALLY HAZARDOUS
Limited quantity (LQ)	5 L
Special provisions	274, 335, 375, 601
Tunnel restriction code	-

Air transport (ICAO-TI / IATA-DGR)

UN number or ID number	UN 3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (pyrethrins including cinerins)
Transport hazard class(es)	9
Packing group	III
Environmental hazards	ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

Other regulations (EU)

To follow:

Registered plant protection product according to Regulation (EU) 1107/2009.

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive] VOC

VOC-value 0.5 %

15.2 Chemical Safety Assessment

No data available



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SECTION 16: Other information

Abbreviations and acronyms

REACH: Registration, Evaluation and Authorization of Chemicals
CLP: Classification, Labelling and Packaging
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service
Acute Tox. 4, H302: Acute Toxicity (oral), Category 4
EU: European Union
EN: European Standard
ECHA: European Chemicals Agency
EC: European Community
Acute Tox. 4, H312: Acute toxicity (dermal), Category 4
Acute Tox. 4, H332: Acute Toxicity (inhalation), Category 4
Skin Sens. 1: Skin sensitizer, Category 1
Aquatic Acute 1: Short-term (acute) aquatic hazard, Category 1
Aquatic Chronic 1: Long-term (chronic) aquatic hazard, Category 1
OECD: Organisation for Economic Cooperation and Development
NOEC: No Observed Effect Concentration
AVV: Waste Shipment Ordinance (DE)
TRGS: Technical Rules for Hazardous Substances
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Dangerous goods regulations for transport by rail
IMDG: International Maritime Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
VOC: Volatile organic compounds
WGK: water hazard class

Additional information

Follow the instructions !

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It doesn't represent a guarantee of the properties of the product. It's not a technical specification.

Relevant H- and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.