



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

1.1 Product identifier

Trade name/designation WLP-1

Unique Formula Identifier UFI: YEQA-GUC7-WWOW-WFUS

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

Relevant identified uses

remark

thermal transfer compound

Uses advised against

none

1.3 Details of the supplier of the safety data sheet

Manufacturer

S+S Regeltechnik GmbH
Thurn-und-Taxis-Str. 22
90411 Nürnberg - Deutschland

Telefon: +49-911-519 47-0

Telefax: +49-911-519 47-70

E-Mail: mail@spluss.de

www.Spluss.de

1.4 Emergency telephone number

+49-91-398-2451 oder +49-911-398-2665 (Poison hotline Nuremberg)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Environmental hazards

Aquatic Acute 1

hazard statements for environmental hazards

H400 Very toxic to aquatic life.

Environmental hazards

Aquatic Chronic 1

hazard statements for environmental hazards

H410 Very toxic to aquatic life with long lasting effects.

remark

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

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

Hazard pictograms



GHS09

Signal word

Warning

Hazard statements

Hazard statements for environmental hazards

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P273 Avoid release to the environment.

Response:

P391 Collect spillage.

2.3 Other hazards

Adverse human health effects and symptoms

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / information on ingredients

3.1/3.2 Substances/Mixtures

Hazardous ingredients

Zinkoxid	>50 - <75 %
CAS 1314-13-2	
EC 215-222-5	
REACHNo 01-2119463881-32	
Aquatic Acute 1, H400 / Aquatic Chronic 1, H410	

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

Following inhalation

Provide fresh air.

Following skin contact

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

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

Following ingestion

Rinse mouth immediately and drink plenty of water.



4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No known symptoms to date.

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

Foam

Extinguishing powder

Carbon dioxide (CO₂)

Water mist

Unsuitable extinguishing media

not applicable

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide

Carbon dioxide (CO₂)

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

Personal precautions

Use personal protection equipment.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up:

Sawdust

Universal binder

6.4 Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

**Protective measures****Advices on safe handling**

No special technical protective measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

not relevant

Hints on joint storage**Materials to avoid**

none

Storage class

Non-combustible solids

7.3 Specific end use(s)**Recommendation**

Observe technical data sheet.

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

CAS No.	Substance name	LTV	STV	remark
1314-13-2	Zinc oxide, fume or respirable dust	5 mg/m ³	10 mg/m ³	
				Great Britain (UK)

LTV = long-term occupational exposure limit value

STV = short-term occupational exposure limit value

source: GESTIS International Limit Values (<http://limitvalue.ifa.dguv.de/>)Monitoring and observation processes: GESTIS Analytical Methods (<http://amcaw.ifa.dguv.de/>)**DNEL-/PNEC-values****DNEL Consumer****Substance name** Zinkoxid**type**

DNEL long-term inhalative (systemic)

Value 2,5 mg/m³**Substance name** Zinkoxid**type**

DNEL long-term dermal (systemic)

Value 83 mg/kg**Substance name** Zinkoxid**type**DNEL long-term oral (repeated) **Value**

0,83 mg/kg

DNEL worker**Substance name** Zinkoxid**type**

DNEL long-term inhalative (systemic)

Value 5 mg/kg

**Substance name** Zinkoxid**type**

DNEL long-term dermal (systemic)

Value 83 mg/kg**8.2 Exposure controls****Personal protection equipment****Eye/face protection****Suitable eye protection:**

Eye glasses with side protection

Skin protection**Suitable gloves type**

Disposable gloves

Body protection:**Suitable protective clothing:**

not relevant

Respiratory protectionRespiratory protection necessary at:
dust formation**Suitable respiratory protection apparatus:**

Filtering Half-face mask (DIN EN 149)

ABEK-P1

remark

Usually no personal respirative protection necessary.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****Appearance****Physical state**

Paste

Colour

white

Odour

odourless

Odour threshold:

not determined

parameter	Method - source - remark
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	not determined
flammability	not determined
Upper explosion limit	not determined
lower explosion limit	not determined



parameter		Method - source - remark
Flash point (°C)	ca.200 °C	
Auto-ignition temperature		not determined
Decomposition temperature		not determined
pH		not determined
Kinematic viscosity		not determined
Water solubility		The study does not need to be conducted because the substance is known to be insoluble in water.
Soluble (g/L) in		not determined
Fat solubility		not determined
Partition coefficient: n-octanol/ water		not determined
Vapour pressure		not determined
Density and/or relative density	ca.2 g/cm ³	Temperature 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

This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

none

10.5 Incompatible materials

none

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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

Acute toxicity

Acute dermal toxicity

ingredient Zinkoxid

Acute dermal toxicity >2000 mg/kg



Effective dose

LD50:

Species:

Rat

Acute inhalation toxicity (dust/mist)

ingredient Zinkoxid

Acute inhalation toxicity (dust/mist) >5,7 mg/kg

Effective dose

LC50:

Exposure time 4

Species:

Rat

Acute oral toxicity

ingredient Zinkoxid

Acute oral toxicity >15000 mg/kg

Effective dose

LD50:

Species:

Rat

11.2 Information on other hazards No

information available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) toxicity to algae and cyanobacteria

ingredient Zinkoxid

Acute (short-term) toxicity to algae and cyanobacteria 0,17 mg/L

Effective dose

EC50

Test duration 72 h

species

Selenastrum capricornutum

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Endocrine disrupting properties

No information available.

**12.7 Other adverse effects**

No information available.

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

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

Directive 2008/98/EC (Waste Framework Directive)**Before intended use****Appropriate disposal / Package**

Non-contaminated packages may be recycled.

Waste code product 070708**hazardous waste** Yes.**Waste name**

other still bottoms and reaction residues

After intended use**Appropriate disposal / Product**

Dispose of waste according to applicable legislation.

Waste code packaging 150110**hazardous waste** Yes.**Waste name**

packaging containing residues of or contaminated by hazardous substances

Waste code packaging 150102**hazardous waste** No**Waste name**

plastic packaging

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	3077	3077	3077
14.2 Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)	Environmentally hazardous substance, solid, n.o.s. (zinc oxide)
14.3 Class(es)	9	9	9
14.4 Packing group	III	III	III
14.5 Environmental hazards	Yes.	Yes.	Yes.
14.6 Special precautions for user not applicable		not applicable	not applicable
14.7 Maritime transport in bulk according to IMO instruments	not applicable	not applicable	not applicable

**Additional information - Land transport (ADR/RID)**

Hazard label(s)	9
Classification code	M7
Limited quantity (LQ)	5 kg
Hazard identification number (Kemler No.)	90
tunnel restriction code	-
transport category	3

Additional information - Sea transport (IMDG)

Marine pollutant	Yes.
Segregation group	A
remark	EmS F-a,S-F

Additional information - Air transport (ICAO-TI / IATA-DGR)

Limited quantity (LQ)	30
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SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU legislation****Other regulations (EU)**

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

Volatile organic compounds (VOC) content in percent by weight: 0 weight-%

15.2 Chemical Safety Assessment

not applicable

SECTION 16: Other information**Abbreviations and acronyms**

See overview table at www.euphrac.eu

Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.