

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product Identifier

Brand name: **Lotsauglitze® / 3S-Wick® Desoldering braid**
Spirig Article: Part numbers: LS/00.... , LS/AA....., LS/AB..., LS/BB-...
ERSA Article: **OWICKNC1.5/10 / OWICKNC2.2/10 / OWICKNC2.7/10**
Synonyms: Desoldering Braid, Desoldering Wick, Solder Removal Wick
Product type: Solid

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

Not applicable

General use: A dry copper braid painted with soft solder flux is used to extract molten solder metal, e.g. solder joints in electronic circuits.

1.3 Details of the supplier of the safety data sheet

Company: Spirig Ernest Dipl. Ing., Hohlweg 1, 8640 Rapperswil, Switzerland
Telephone: +41 55 222 6900
Fax: +41 55 222 6969
E-mail address: spirig@spirig.com

1.4 Details of the supplier

Company name: Ersa GmbH
Street/PO Box: Leonhard-Karl-Str. 24
97877 Wertheim, Germany
Telephone: +49 09342 800 0
Fax: +49 09342 800 251
Information department: Phone: +49 09342 800 0, Email: info@ersa.de

1.5 Emergency telephone number

Emergency Phone #: Spirig phone +41 55 222 6900

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Not classified

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Signal word: No signal word
Hazard Statements: EU208 contains rosin. Can cause allergic reactions.
Prevention: not applicable
Response: not applicable
Storage: not applicable
Disposal: not applicable

2.3 Other hazards

PBT: Not applicable
vPvB: Not applicable

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance/Mixture: mixture

Ingredients	According to Regulation (EC) No 1272/2008	
	Classification / Hazard Statement	Concentration
Rosin (Mixture of various synthetic and natural resins, halogen-free, according to F-SW-ww / ISO 9454 / F-SW-32) (CAS-Nr.: 8050-09-7)	Not hazardous EU208 contains rosin. Can cause allergic reactions.	-
Copper wire CAS-Nr. 7440-50-8 Einecs-Nr. 231-159-6	Not hazardous	-

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

In case of skin contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

In case of eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

If swallowed

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatment: No specific treatment.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None known.

5.2 Specific hazards arising from the chemical

Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products:

Decomposition products may include the following materials: metal oxide/oxides

5.3 Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and materials for containment and cleaning up

Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container.

Dispose of via a licensed waste disposal contractor.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling Protective measures

Put on appropriate personal protective equipment (see Section 8). Avoid release to the environment.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific Use

See section 1.2

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

None

8.2 Occupational exposure limits

None

8.3 Appropriate engineering Controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. See also section 7 and 8.

Individual protection measures

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye / face protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields.

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection:

Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form:	solid, copper wires
Color	coppery
Odor:	wood rosin
Odor threshold:	no data available
pH:	not applicable
Melting point/range:	+1083°C
Boiling point/range:	-
Flash point:	> 260°C(closed cup)

Evaporation rate:	no data available
Flammability (solid, gas):	Not flammable
Vapor pressure:	no data available
Relative Vapor density:	no data available
Density:	no data available
Water solubility:	no data available
Solubility/qualitative:	no data available
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature:	no data available
Thermal decomposition:	no data available
Viscosity, dynamic:	no data available
Explosive properties:	no data available
Explosivity:	Product is not explosive
Oxidizing properties:	none

9.2 Other information

No further information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is stable..

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

No specific data.

10.5 Incompatible materials

Reactive or incompatible with the following materials: Strong oxidizing agents

10.6 Hazardous decomposition products Zersetzungsprodukte

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

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: not available

Irritation/corrosion: not available

Conclusion/summary:

Skin: May cause sensitization by skin contact.

Eyes: May cause mild eye irritation.

Respiratory: May cause sensitization by inhalation. Inhalation of this material may cause sensitive individuals to develop eczema and/or occupational asthma.

Sensitization: not available

Mutagenicity: not available

Carcinogenicity: not available

Reproductive toxicity: not available

Teratogenicity: not available

Specific target organ toxicity (single exposure): not available

Specific target organ toxicity (repeated exposure): not available

Aspiration hazard: not available

Information on the likely routes of exposure: not available

Potential acute health effects:

Eye contact: May cause eye irritation.

Inhalation: May be irritating to eyes, skin and respiratory system. May cause sensitization by inhalation.

Skin contact: May cause skin irritation. May cause sensitization by skin contact. May cause allergic skin reactions with repeated exposure.

Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Adverse symptoms may include the following: irritation, redness

Inhalation: Adverse symptoms may include the following: respiratory tract irritation
May cause sensitization by inhalation.

Skin contact: Adverse symptoms may include the following: irritation, sensitizer
May cause allergic reactions in certain individuals.

Ingestion: No specific data.
General: No known significant effects or critical hazards
Carcinogenicity: No known significant effects or critical hazards
Mutagenicity: No known significant effects or critical hazards
Teratogenicity: No known significant effects or critical hazards
Developmental effects: No known significant effects or critical hazards
Fertility effects: No known significant effects or critical hazards

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

not available

12.2. Persistence and degradability

not available

12.3 Bioaccumulative potential

not available

12.4 Mobility in soil

not available

12.5 Results of PBT and vPvB assessment

Result: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

No known significant effects or critical hazards

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transportation concerning IMDG, IATA, ADR/RID

14.1 UN-Nummer Not applicable

14.2 UN proper shipping name Not applicable

14.3 Transport hazard class(es) Not applicable

14.4 Packing group Not applicable

14.5 Environmental hazards

Labelling according 5.2.1.8 ADR: Not applicable

Labelling according 5.2.1.8 RID: Not applicable

Labelling according 5.2.1.6.3 IMDG: Not applicable

Classification as environmental hazardous according 2.9.3 IMDG: Not applicable

Labelling "P" according 2.10 IMDG: Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable

SECTION 15: REGULATORY INFORMATION

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

Applicable EU Directives and Regulations:

COMMISSION DIRECTIVE 2000/39/EC of June 8,2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), as amended.

Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (as amended).

Directive 2021/18/EU Named hazardous substances - ANNEX I None of the ingredients are included.

Richtlinie 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II None of the ingredients are included.

Regulation (EU) 2019/1148

Annex I - RESTRICTED EXPORT SUBSTANCES FOR EXPLOSIVE SUBSTANCES (Upper concentration limit for authorisation under Article 5(3)) None of the ingredients are included. Annex II - REPORTABLE EXPORT SUBSTANCES FOR EXPLOSIVES None of the ingredients are present.

National Regulations: Employment Restriction Information: Observe employment restrictions for young persons.

Technical Instructions on Air Quality:

Class III Share in % 25-100

SECTION 16: OTHER INFORMATION

Other Information

Full text of H-Statements referred to under sections 2 and 3:

EU208 Contains rosin. Can cause allergic reactions.

Further information

Reason for the last update: General update for version 2020/878

Created: 12.12.1995

Data sheet issuing contact:

Contact person: see Section 1: Information-providing area

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. This text is a translation of the German original version (see German SDS) which in any case overrules the english version. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The SDB is intellectual property of the Spirig Ernest Dipl. Ing. and is only valid for the product delivered by us. Any change of this MSDS is only allowed with a written authorization of Spirig Ernest Dipl. Ing.