SAFETY DATA SHEET
< Lotsauglitze® / 3S-Wick® Desolder Braid>
according to Regulation (EC) No. 1907/2006

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product Identifier

Brand name:	**Lotsauglitze® / 3S-Wick® Desolder braid**
Artikel:	LS/00-01.5m-Spirig // -15m- // -25m-
	LS/AA-01.5m-Spirig // -15m- // -25m-
	LS/AB-01.5m-Spirig // -15m- // -20m-
	LS/BB-01.5m-Spirig // -15m-
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

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 Emergency telephone number

Emergency Phone #:	+41 79 423 3950

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
None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance/Mixture: mixture

Ingredients	**According to Regulation (EC) No 1272/2008**	
	Classification / Hazard Statement	**Concentration**
Rosin (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 Extinguishig 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 toures 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 regulated
14.2 UN proper shipping name Copper Wire
14.3 Transport hazard class(es) no
14.4 Packing group none
14.5 Environmental hazards
Labelling according 5.2.1.8 ADR: no
Labelling according 5.2.1.8 RID: no
Labelling according 5.2.1.6.3 IMDG: no
Classification as environmental hazardous according 2.9.3 IMDG: no
Labelling "P" according 2.10 IMDG: no
14.6 Special precautions for user
not available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
not available

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific fort he substance or mixture

Applicable EU Directives and Regulations:
1907/2006 [... on the Registration, Evaluation, Authorisation and Restriction of Chemicals ...and amendments thereto]
2004/42/CE [on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.]
96/82/EC as extended by 2003/105/EC [... on the control of major-accident hazards involving dangerous substances]. Product contains a substance that falls within the criteria defined in Annex I. Refer to Directive for details of requirements taking into account the volume of product stored on site.
98/24/EC [... on the protection of workers from the risk related to chemical agents at work ...]. Refer to Directive for details of requirements.
1272/2008 [on classification, labelling and packaging of substances and mixtures.. and amendments thereto]

Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).

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
Made: 11.7.1999

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 Dipl. Ing. Ernest Spirig and is only valid for the product delivered by us. Any change of this MSDS is only allowed with a written authorization of Dipl. Ing. Ernest Spirig.