

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

1.1 Product identifier

Trade name/designation Weller LF25 - SOLDER GREASE / PATE A SOUDER / LÖTFETT / SOLDERVET

Identification on the label/Trade name

label designation/Name of product

LF 25, No. T0054002699; WLS 20-65, No. T0054009499; WLS 100, No. T0054009299

Other means of identification

SDS-07

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

Relevant identified uses

Sector of uses [SU]

SU16 Manufacture of computer, electronic and optical products, electrical equipment

1.3 Details of the supplier of the safety data sheet

Supplier

Weller Tools GmbH

Carl-Benz-Straße 2

Germany-74354 Besigheim

Telephone: +49 7143 580-0

Telefax: +49 7143 580-108

E-mail: info@weller-tools.com

Dept. responsible for information: environmental department

Information telephone: +49 7143 580-101

Information telefax: +49 7143 580-108

1.4 Emergency telephone number

GIZ Mainz +49 6131 - 19240 (language - german, english, french)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

health hazards

Skin Irrit. 2

hazard statements for health hazards

H315 Causes skin irritation.

health hazards

Eye Dam. 1

hazard statements for health hazards

H318 Causes serious eye damage.

2.2 Label elements

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

Hazard pictograms



GHS05

Signal word

Danger

Hazard statements

hazard statements for health hazards

H318 Causes serious eye damage.

Precautionary statements

General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

Prevention:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor/.

Product identifiers

Zinkchlorid

Special rules on packaging

Tactile warning according to EN/ISO 11683.

2.3 Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1/3.2 Substances/Mixtures

Description

Mixture / Mélange / Gemisch

Hazardous ingredients

zinc chloride

<5 %

CAS 7646-85-7

EC 231-592-0

INDEX 030-003-00-2

REACHNo 01-2119472431-44

Acute Tox. 4, H302 / Skin Corr. 1B, H314 / Aquatic Acute 1, H400 / Aquatic

Chronic 1, H410

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

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

Following skin contact

In case of skin reactions, consult a physician.

After eye contact

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No data available

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

Carbon dioxide (CO₂)

Extinguishing powder

Water spray

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Hydrogen chloride (HCl).

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Personal precautions

Provide adequate ventilation. Use personal protection equipment.

6.2 Environmental precautions

Do not empty into drains or the aquatic environment.

6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up:

Sand
Kieselguhr
Universal binder
Sawdust

6.4 Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

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.

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Materials to avoid

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Protect against:

Frost
Heat
UV-radiation/sunlight

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CAS No.	Substance name	LTV	STV	remark
7646-85-7	Zinc chloride, fume or respirable dust	[1] mg/m ³	2 mg/m ³	The UK Advisory Committee on Toxic Substances has expressed concern that, for the OELs shown in parentheses, health may not be adequately protected because of doubts that the limit was not soundly-based. These OELs were included in the published UK 2002 list and its 2003 supplement, but are omitted from the published 2005 list. 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/>)

8.2 Exposure controls

Appropriate engineering controls

Technical measures to prevent exposure

Technical measures and the application of adequate working methods take priority over the use of personal protection equipment.

Personal protection equipment

Eye/face protection

remark

Eye protection: not required.

Skin protection

Suitable gloves type:

Gloves with long cuffs

Suitable material:

NBR (Nitrile rubber)

Thickness of the glove material >=0,4 mm

additional hand protection measures

Breakthrough times and swelling characteristics of the material must be taken into consideration.

remark

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Body protection:

Suitable protective clothing:

Apron

Respiratory protection

Filter B / Filter P2

remark

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state

Paste

Colour

light yellow

Odour

characteristic

		parameter	Method - source - remark
pH	6	Temperature 20 °C	
Melting point/freezing point	55 °C		
Initial boiling point and boiling range			not determined
Flash point (°C)	210 °C		
Evaporation rate			not determined
flammability			not determined
Upper explosion limit			not determined
lower explosion limit			not determined
Vapour pressure	23 hPa	Temperature 20 °C	
Vapour density			not determined
Relative density	1 g/cm ³	Temperature 20 °C	
Fat solubility (g/L)			not determined
Water solubility (g/L)			The study does not need to be conducted because the substance is known to be insoluble in water.
Soluble (g/L) in			not determined
Partition coefficient: n-octanol/water			not determined
Auto-ignition temperature			not determined
Decomposition temperature			not determined
Dynamic viscosity			Not determined. / Nicht bestimmt.
flow time			not determined
Kinematic viscosity			not determined

9.2 Other information

Solvent content (%)

Value =0 %

remark

VOC (EU) 0%

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

ingredient zinc chloride

Acute oral toxicity 1100 - 1260 mg/kg

Effective dose

LD50:

Species:

Rat

skin corrosion/irritation

Result / evaluation

irritant.

Serious eye damage/irritation

Assessment/classification

Causes serious eye damage.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

Assessment/classification

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity >100 mg/L

Effective dose

LC50:

Test duration 96 h

species

(fish)

Method

OECD 203

Acute (short-term) toxicity to crustacea >100 mg/L

Test duration 48 h

species

(daphnia)

Method

OECD 202

Acute (short-term) toxicity to aquatic algae and cyanobacteria >100 mg/L

Effective dose

ErC50:

Test duration 72 h

species

(algae)

Method

OECD 201

Additional ecotoxicological information

Additional information

If product enters soil, it will be mobile and may contaminate groundwater. Discharge into the environment must be avoided.

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

No information available.

12.6 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste code product 060313

hazardous waste Yes.

Waste name

solid salts and solutions containing heavy metals

Waste code product 150102

hazardous waste No

Waste name

plastic packaging

Waste code product 150104

hazardous waste No

Waste name

metallic packaging

Waste code product 150101

hazardous waste No

Waste name

paper and cardboard packaging

Waste code product 150110

hazardous waste Yes.

Waste name

packaging containing residues of or contaminated by hazardous substances

remark

Observe regulations when disposing. Dispose of waste according to "Kreislaufwirtschaftsgesetz (KrWG)".

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	not applicable	not applicable	not applicable
14.2 Proper Shipping Name	not applicable	not applicable	not applicable
14.3 Class(es)	not applicable	not applicable	not applicable
14.4 Packing group	not applicable	not applicable	not applicable
14.5 ENVIRONMENTALLY HAZARDOUS	not applicable	not applicable	not applicable
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	not applicable	not applicable	not applicable

Additional information - Land transport (ADR/RID)

remark

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Restrictions of occupation

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Other regulations (EU)

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

Classification according to Annex I, Part 1

none

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

See overview table at www.euphrac.eu

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

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Key literature references and sources for data

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.