

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

remark

Art. 31 and 2020/878/EU

1.1 Product identifier

Product category

Chemical products (excludes biocidal products)

PC-TEC-24 Welding, soldering, and flux products

Trade name/designation Weller - LW25 SOLDER SOLUTION / LÖTWASSER / DECAPANT LIQUIDE / SOLDERWATER

Unique Formula Identifier UFI: 6ES8-J0G6-H005-KVRY

Product-no.: LW 25, No. T0054002799(N); WLS 20-65, No. T0054009499(N) *

Other means of identification

SDS-06

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

Product categories [PC]

PC38 Welding and soldering products (with flux coatings or flux cores), flux products

Activator

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

Department 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 (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 Corr. 1B

hazard statements for health hazards

H314 Causes severe skin burns and eye damage.

health hazards

STOT SE 3

hazard statements for health hazards

H335 May cause respiratory irritation.

health hazards

Eye Dam. 1

hazard statements for health hazards

H318 Verursacht schwere Augenschäden.

Environmental hazards

Aquatic Chronic 2

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 components for labelling

Labelling for content <125ml

Substance name

Ammoniumchlorid / ammonium chloride / chlorure d'ammonium / cloruro de amonio

Zinkchlorid / zinc chloride / chlorure de zinc / cloruro de cinc

Hazard pictograms



GHS05

GHS07

GHS09

Signal word

Danger

Hazard statements

hazard statements for health hazards

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary statements

General:

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

Response:

P301+ P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P310 Immediately call a POISON CENTER/doctor/.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

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

Storage:

P405 Store locked up.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501 Dispose of contents/container to an appropriate recycling or disposal facility.

Special rules on packaging

Child-resistant fastenings (EN/862/ISO 8317). 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

ammonium chloride <5 %

CAS 12125-02-9

EC 235-186-4

INDEX 017-014-00-8

REACHNo 01-2119487950-27

Acute Tox. 4, H302 / Eye Irrit. 2, H319

zinc chloride <10 %

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

Additional information

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

If unconscious but breathing normally, place in recovery position and seek medical advice.

Following inhalation

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

Following skin contact

After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Protect uninjured eye.

Following 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 jet

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

Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For emergency responders

Personal protection equipment

Use appropriate respiratory protection.

6.2 Environmental precautions

Do not empty into drains or the aquatic environment. 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:

Sand
Kieselguhr
Universal binder
Sawdust

6.4 Reference to other sections

Safe handling: see section 7

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.

Protective measures

Measures to prevent fire

No special fire protection measures are necessary.

Measures to prevent aerosol and dust generation

Vapours / aerosols should be extracted by suction directly at point of origin.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

none

Keep container tightly closed.

Hints on joint storage

Materials to avoid

Do not store together with:
Food and feedingstuffs
Metal

Storage class

8 B

Further information on storage conditions

Protect against:
Frost

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

remark

A: respirable fraction

8.2 Exposure controls

Appropriate engineering controls

Technical measures to prevent exposure

Reduce exposure to fume by keeping operating temperatures as low as possible taking into account occupational exposure limits and safe handling temperatures (see Section 7). Where practicable handle within an enclosed process. Alternatively local exhaust ventilation should be considered.

Personal protection equipment

Eye/face protection

Suitable eye protection:

Eye glasses with side protection

Skin protection

Suitable material:

NBR (Nitrile rubber)
Butyl caoutchouc (butyl rubber)

Thickness of the glove material $\geq 0,4$ mm

additional hand protection measures

Check leak tightness/impermeability prior to use.

remark

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Body protection:

Suitable protective clothing:

Protective apron

Respiratory protection

Respiratory protection necessary at:
insufficient ventilation

Suitable respiratory protection apparatus:

Filtering device (full mask or mouthpiece) with filter:
B
P2

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state

liquid

Colour

amber

Odour

odourless

parameter

Method - source - remark

Melting point/freezing point

not determined

parameter	Method - source - remark
Boiling point or initial boiling point and boiling range 100 °C	
flammability	not determined
Upper explosion limit	not determined
lower explosion limit	not determined
Flash point (°C)	not determined
Auto-ignition temperature	not applicable
Decomposition temperature	not determined
pH	not determined
Kinematic viscosity	not determined
Water solubility	miscible
Soluble (g/L) in	not determined
Fat solubility	not determined
Partition coefficient: n-octanol/water	not determined
Vapour pressure 23 hPa	
Density and/or relative density 1,18 g/cm ³ Temperature 20 °C	
Relative vapour density	not determined
particle characteristics	not determined

9.2 Other information

Solvent content

Value 0 %

remark

VOC (EU)

Water content

Value 87,2 %

Solid content

Value 12,8 %

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 further relevant information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Chlorwasserstoff (HCl)

Ammoniak

SECTION 11: Toxicological information

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

Acute toxicity

Assessment/classification

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

skin corrosion/irritation

ingredient zinc chloride

Assessment/classification

Corrosive.

ingredient ammonium chloride

Assessment/classification

Corrosive.

Respiratory or skin sensitisation

Sensitisation to the respiratory tract

Assessment/classification

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

Skin sensitisation

Assessment/classification

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

Assessment/classification

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

Reproductive toxicity

Assessment/classification

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

STOT-single exposure

STOT SE 3

Irritation to respiratory tract

Assessment/classification

May cause respiratory irritation.

STOT-repeated exposure

STOT RE 1 and 2

Inhalative specific target organ toxicity (repeated exposure)

Assessment/classification

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

11.2 Information on other hazards

Endocrine disrupting properties

remark

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

SECTION 12: Ecological information

12.1 Toxicity

Additional ecotoxicological information

General information

Discharge into the environment must be avoided.

Assessment/classification

No data available

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 Endocrine disrupting properties

remark

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

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

remark

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Recycle according to official regulations. Completely emptied packages can be recycled.

Directive 2008/98/EC (Waste Framework Directive)

Before intended use

Waste code product 060313

hazardous waste Yes.

Waste name

solid salts and solutions containing heavy metals

Properties of waste which render it hazardous

HP8 Corrosive

HP14 Ecotoxic

After intended use

Waste code packaging 150101

hazardous waste No

Waste name

paper and cardboard packaging

Waste code packaging 150102

hazardous waste No

Waste name

plastic packaging

Waste code packaging 150110

hazardous waste Yes.

Waste name

packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	1840	1840	1840
14.2 Proper Shipping Name	ZINC CHLORIDE SOLUTION	ZINC CHLORIDE SOLUTION (ZINC CHLORIDE SOLUTION mixture, MARINE POLLUTANT)	Zinc chloride solution (ZINC CHLORIDE SOLUTION mixture)
14.3 Class(es)	8	8	8
14.4 Packing group	III	III	III
14.5 Environmental hazards	Yes.	Yes.	No
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) 8

Classification code C1

Limited quantity (LQ) 5 L

Hazard identification number (Kemler No.) 80

tunnel restriction code E

transport category 3

Additional information - Sea transport (IMDG)

Marine pollutant Yes.

Segregation group Acids, heavy metals and their salts (including their organometallic compounds)

remark Stowage Category - A

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

Limited quantity (LQ) 1

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).

restrictions on use

3, 65

Use restriction according to REACH annex XVII, no.:

Other regulations (EU)

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

Hazard categories

E2 Hazardous to the aquatic environment in Category Chronic 2

Named dangerous substances

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

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

See SECTION 2.1 (classification).

Indication of changes

* Data changed compared with the previous version

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

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation.

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.