

Page 1 of 15
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 09.06.2022 / 0016
Replacing version dated / version: 01.11.2021 / 0015
Valid from: 09.06.2022
PDF print date: 09.06.2022
Soft Solder Wire with Flux 1,5MM
500 g Art.: 5471 15 500, Art.: 5474 15 500

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

Soft Solder Wire with Flux 1,5MM
500 g Art.: 5471 15 500, Art.: 5474 15 500

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

Relevant identified uses of the substance or mixture:

Soft solder

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

Theo Förch GmbH & Co. KG
Theo-Förch-Str. 11 – 15
74196 Neuenstadt
Tel.: 07139/95-0
Fax: 07139/95-199
Email: info@foerch.de
Homepage: www.foerch.com

Details of the supplier of the safety data sheet see section 16 of this safety data sheet.

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (TFC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

Hazard class	Hazard category	Hazard statement
Repr.	Lact.	H362-May cause harm to breast-fed children.
Repr.	1A	H360FD-May damage fertility. May damage the unborn child.

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.06.2022 / 0016
 Replacing version dated / version: 01.11.2021 / 0015
 Valid from: 09.06.2022
 PDF print date: 09.06.2022
 Soft Solder Wire with Flux 1,5MM
 500 g Art.: 5471 15 500, Art.: 5474 15 500



Danger

H362-May cause harm to breast-fed children. H360FD-May damage fertility. May damage the unborn child.

P201-Obtain special instructions before use. P260-Do not breathe dust. P263-Avoid contact during pregnancy and while nursing. P280-Wear protective gloves / protective clothing / eye protection / face protection.
 P308+P313-IF exposed or concerned: Get medical advice / attention.

Restricted to professional users.
 Lead

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substances

n.a.

3.2 Mixtures

Lead	SVHC-substance Substance for which an EU exposure limit value applies.
Registration number (REACH)	---
Index	081-014-00-7
EINECS, ELINCS, NLP, REACH-IT List-No.	231-100-4
CAS	7439-92-1
content %	50-70
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Repr. 1A, H360FD Repr. Lact., H362

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

Inhalation

Supply person with fresh air and consult doctor according to symptoms.

Skin contact

Wash thoroughly using copious water - remove contaminated clothing immediately.

In the event of contact with the hot product:

Wash off with cold water.

Page 3 of 15
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 09.06.2022 / 0016
Replacing version dated / version: 01.11.2021 / 0015
Valid from: 09.06.2022
PDF print date: 09.06.2022
Soft Solder Wire with Flux 1,5MM
500 g Art.: 5471 15 500, Art.: 5474 15 500

Do not attempt to remove hardened product.

Eye contact

In the event of contact with the hot product:

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water.

Consult doctor immediately - keep Data Sheet available.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Adapt to the nature and extent of fire.

If applicable

Metal fire extinguisher

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Metal oxides

Toxic gases

5.3 Advice for firefighters

For personal protective equipment see Section 8.

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Avoid contact with eyes or skin.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

6.2 Environmental precautions

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

6.3 Methods and material for containment and cleaning up

Pick up mechanically and dispose of according to Section 13.

Allow the hot product to solidify.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

GB

Page 4 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.06.2022 / 0016
 Replacing version dated / version: 01.11.2021 / 0015
 Valid from: 09.06.2022
 PDF print date: 09.06.2022
 Soft Solder Wire with Flux 1,5MM
 500 g Art.: 5471 15 500, Art.: 5474 15 500

Do not inhale dust/fume/mist.
 Ensure good ventilation.
 If applicable, suction measures at the workstation or on the processing machine necessary.
 Avoid contact with eyes or skin.
 Pregnant women should avoid contact with this product.
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
 Observe directions on label and instructions for use.
 Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.
 Keep locked away.
 Store product closed and only in original packing.
 Not to be stored in gangways or stair wells.
 Store at room temperature.
 Store in a dry place.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	Lead	
WEL-TWA: 0,15 mg/m3 (EU)		WEL-STEL: ---
Monitoring procedures:		<ul style="list-style-type: none"> ISO 15202 (Workplace air - Determination of metals and metalloids in airborne particulate matter by Inductively Coupled Plasma Atomic Emission Spectrometry), Part 1-3 - 2012(Part 1), 2012(Part 2), 2004 (Part 3) - EU project BC/CEN/ENTR/000/2002-16 card 73-2 (2004) - ISO 8518 (Workplace air — Determination of particulate lead and lead compounds — Flame or electrothermal atomic absorption spectrometric method) - 2001 - EU project BC/CEN/ENTR/000/2002-16 card 73-1 (2004) - MDHS 91/2 (Metals and metalloids in workplace air by X-ray fluorescence spectrometry) - 2015 - EU project BC/CEN/ENTR/000/2002-16 card 73-4 (2004) - NIOSH 7082 (LEAD by Flame AAS) - 2017 - NIOSH 7105 (Lead by GFAAS) - 1994 - NIOSH 7300 (ELEMENTS by ICP (Nitric/Perchloric Acid Ashing)) - 2003 - NIOSH 7301 (Elements by ICP (aqua regia ashing)) - 2003 - NIOSH 7303 (Elements by ICP (Hot block HCl/HNO3 digestion)) - 2003 - NIOSH 7701 (LEAD BY PORTABLE ULTRASONIC EXTRACTION/ASV) - 2016 - NIOSH 7702 (Lead by field portable XRF) - 1998 - EU project BC/CEN/ENTR/000/2002-16 card 73-16 (2004) - OSHA 1006 (Arsenic, Cadmium, Cobalt, Copper, Lead, and Nickel) - 2005 - OSHA 5003 (Metal Sampling Group 1 (METALSSG-1)) - 2019 - OSHA ID-121 (Metal and metalloid particulates in workplace atmospheres (Atomic absorption)) - 2002 - OSHA ID-125G (Metal and metalloid particulates in workplace atmospheres (ICP)) - 2002 - OSHA ID-206 (ICP analysis of metal/metalloid particulates from solder operations) - 1991
BMGV: see biological limits for lead (EH40), 70 µg Pb/100 ml blood (EU)		Other information: ---

Chemical Name	Lead oxide	
WEL-TWA: 0,15 mg/m3 (Pb, inorganic compounds, EU)		WEL-STEL: ---
Monitoring procedures:		<ul style="list-style-type: none"> ISO 15202 (Workplace air - Determination of metals and metalloids in airborne particulate matter by Inductively Coupled Plasma Atomic Emission Spectrometry), Part 1-3 - 2012(Part 1), 2012(Part 2), 2004 (Part 3) - EU project BC/CEN/ENTR/000/2002-16 card 73-2 (2004)

GB

Page 5 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.06.2022 / 0016
 Replacing version dated / version: 01.11.2021 / 0015
 Valid from: 09.06.2022
 PDF print date: 09.06.2022
 Soft Solder Wire with Flux 1,5MM
 500 g Art.: 5471 15 500, Art.: 5474 15 500

- ISO 8518 (Workplace air — Determination of particulate lead and lead compounds — Flame or electrothermal atomic absorption spectrometric method) - 2001 - EU project BC/CEN/ENTR/000/2002-16 card 73-1 (2004)
- MDHS 91/2 (Metals and metalloids in workplace air by X-ray fluorescence spectrometry) - 2015 - EU project BC/CEN/ENTR/000/2002-16 card 73-4 (2004)
- NIOSH 7082 (LEAD by Flame AAS) - 2017
- NIOSH 7105 (Lead by GFAAS) - 1994
- NIOSH 7300 (ELEMENTS by ICP (Nitric/Perchloric Acid Ashing)) - 2003
- NIOSH 7301 (Elements by ICP (aqua regia ashing)) - 2003
- NIOSH 7303 (Elements by ICP (Hot block HCl/HNO3 digestion)) - 2003
- NIOSH 7701 (LEAD BY PORTABLE ULTRASONIC EXTRACTION/ASV) - 2016
- NIOSH 7702 (Lead by field portable XRF) - 1998 - EU project BC/CEN/ENTR/000/2002-16 card 73-16 (2004)
- OSHA ID-121 (Metal and metalloid particulates in workplace atmospheres (Atomic absorption)) - 2002
- OSHA ID-125G (Metal and metalloid particulates in workplace atmospheres (ICP)) - 2002
- OSHA ID-206 (ICP analysis of metal/metalloid particulates from solder operations) - 1991

BMGV: see biological limits for lead (EH40), 70 µg Pb/100 ml blood (Lead and its ionic compounds, EU)

Other information: ---

Lead						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	6,5	µg/l	dissolved lead
	Environment - marine		PNEC	3,4	µg/l	dissolved lead
	Environment - sediment, freshwater		DNEL	41	mg/kg dw	with bioavailability correction
	Environment - sediment, freshwater		PNEC	174	mg/kg dw	without bioavailability correction
	Environment - sediment, freshwater		PNEC	164,2	mg/kg dw	
	Environment - soil		PNEC	147	mg/kg dw	
	Environment - sewage treatment plant		PNEC	0,1	mg/l	
Workers / employees	Human - blood	Long term, systemic effects	DNEL	40	µg/dl	Adult neurological function
Workers / employees	Human - blood	Long term, systemic effects	DNEL	10	µg/dl	Developmental effect on foetus of pregnant women

Urea						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,047	mg/l	
Consumer	Human - dermal	Short term, systemic effects	DNEL	580	mg/kg	
Consumer	Human - dermal	Long term, systemic effects	DNEL	580	mg/kg	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	125	mg/m3	

Ⓢ

Page 6 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.06.2022 / 0016
 Replacing version dated / version: 01.11.2021 / 0015
 Valid from: 09.06.2022
 PDF print date: 09.06.2022
 Soft Solder Wire with Flux 1,5MM
 500 g Art.: 5471 15 500, Art.: 5474 15 500

Consumer	Human - inhalation	Long term, systemic effects	DNEL	125	mg/m ³	
Consumer	Human - oral	Short term, systemic effects	DNEL	42	mg/kg	
Consumer	Human - oral	Long term, systemic effects	DNEL	42	mg/kg	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	580	mg/kg	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	580	mg/kg	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	292	mg/m ³	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	292	mg/m ³	

Ⓢ WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).
 (8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
 ** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.
 (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
 Applies only if maximum permissible exposure values are listed here.
 Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.
 These are specified by e.g. EN 14042.
 EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
 With danger of contact with eyes.
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:
 Chemical resistant protective gloves (EN ISO 374).
 If applicable
 Protective Neoprene® / polychloroprene gloves (EN ISO 374).
 Minimum layer thickness in mm:

0,5
 Permeation time (penetration time) in minutes:
 480

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.
 The recommended maximum wearing time is 50% of breakthrough time.
 Protective hand cream recommended.

During processing:
 Leather gloves.

Skin protection - Other:

Page 7 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.06.2022 / 0016
 Replacing version dated / version: 01.11.2021 / 0015
 Valid from: 09.06.2022
 PDF print date: 09.06.2022
 Soft Solder Wire with Flux 1,5MM
 500 g Art.: 5471 15 500, Art.: 5474 15 500

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:
 Normally not necessary.
 During processing:
 If applicable, filter P2 (EN 143), code colour white
 Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:
 If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.
 In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.
 Selection of materials derived from glove manufacturer's indications.
 Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
 Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
 In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.
 The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Solid
Colour:	Silver
Colour:	Grey
Odour:	Odourless
Melting point/freezing point:	183-270 °C
Boiling point or initial boiling point and boiling range:	1750 °C
Flammability:	Not combustible.
Lower explosion limit:	Does not apply to solids.
Upper explosion limit:	Does not apply to solids.
Flash point:	Does not apply to solids.
Auto-ignition temperature:	Does not apply to solids.
Decomposition temperature:	There is no information available on this parameter.
pH:	Mixture is non-soluble (in water).
Kinematic viscosity:	Does not apply to solids.
Solubility:	Insoluble
Partition coefficient n-octanol/water (log value):	Does not apply to mixtures.
Vapour pressure:	There is no information available on this parameter.
Density and/or relative density:	8-10 g/cm ³
Relative vapour density:	Does not apply to solids.

9.2 Other information

Explosives:	There is no information available on this parameter.
Oxidizing solids:	No

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested.

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

See also section 7.

Strong heat

10.5 Incompatible materials

See also section 7.

GB

Page 8 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.06.2022 / 0016
 Replacing version dated / version: 01.11.2021 / 0015
 Valid from: 09.06.2022
 PDF print date: 09.06.2022
 Soft Solder Wire with Flux 1,5MM
 500 g Art.: 5471 15 500, Art.: 5474 15 500

Avoid contact with strong oxidizing agents.
 Avoid contact with strong acids.
 Avoid contact with strong alkalis.

10.6 Hazardous decomposition products

See also section 5.2
 No decomposition when used as directed.

SECTION 11: Toxicological information

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

Possibly more information on health effects, see Section 2.1 (classification).

Soft Solder Wire with Flux 1,5MM 500 g Art.: 5471 15 500, Art.: 5474 15 500

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Lead						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Skin corrosion/irritation:						Analogous conclusion, Not irritant
Serious eye damage/irritation:						Analogous conclusion, Not irritant
Respiratory or skin sensitisation:						No indications of such an effect.
Reproductive toxicity:						Repr. 1A, Lact.
Specific target organ toxicity - single exposure (STOT-SE):						No indications of such an effect.
Aspiration hazard:						No
Symptoms:						drop in blood pressure, intestinal disturbances, weight loss, cramps, circulatory collapse, stomach cramps, fatigue, muscle pains, shock, nausea and vomiting.

Lead oxide						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat	OECD 423 (Acute Oral Toxicity - Acute Toxic Class Method)	Does not conform with EU classification.

96

Page 10 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.06.2022 / 0016
 Replacing version dated / version: 01.11.2021 / 0015
 Valid from: 09.06.2022
 PDF print date: 09.06.2022
 Soft Solder Wire with Flux 1,5MM
 500 g Art.: 5471 15 500, Art.: 5474 15 500

12.2. Persistence and degradability:							Not relevant for inorganic substances., Inorganic products cannot be eliminated from water through biological purification methods.
12.3. Bioaccumulative potential:							Possible
12.1. Toxicity to fish:	LC50	96h	0,107	mg/l	Oncorhynchus mykiss		Analogous conclusion soluble lead salts
12.1. Toxicity to fish:	LC50	96h	0,1942	mg/l	Pimephales promelas		Analogous conclusion soluble lead salts
12.1. Toxicity to daphnia:	EC50	48h	0,1075	mg/l	Daphnia magna		Analogous conclusion soluble lead salts
12.1. Toxicity to algae:	EC50	72h	233,1	µg/l	Pseudokirchneriella subcapitata		pH 7,5-8,5, soluble lead salts
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
12.4. Mobility in soil:							Slight

Lead oxide							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	0,3	mg/l	Pimephales promelas	U.S. EPA ECOTOX Database	
12.1. Toxicity to daphnia:	EC50	48h	0,13	mg/l	Daphnia magna	U.S. EPA ECOTOX Database	

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

12 01 04 non-ferrous metal dust and particles

17 04 07 mixed metals

17 04 03 Lead

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

Implement substance recycling.

For contaminated packing material

Pay attention to local and national official regulations.

Recycling

SECTION 14: Transport information

General statements

14.1. UN number or ID number:

n.a.

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

Page 11 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.06.2022 / 0016
 Replacing version dated / version: 01.11.2021 / 0015
 Valid from: 09.06.2022
 PDF print date: 09.06.2022
 Soft Solder Wire with Flux 1,5MM
 500 g Art.: 5471 15 500, Art.: 5474 15 500

14.3. Transport hazard class(es): n.a.
 14.4. Packing group: n.a.
 Classification code: n.a.
 LQ: n.a.
 14.5. Environmental hazards: Not applicable
 Tunnel restriction code:

Transport by sea (IMDG-code)

14.2. UN proper shipping name:
 14.3. Transport hazard class(es): n.a.
 14.4. Packing group: n.a.
 Marine Pollutant: n.a.
 14.5. Environmental hazards: Not applicable

Transport by air (IATA)

14.2. UN proper shipping name:
 14.3. Transport hazard class(es): n.a.
 14.4. Packing group: n.a.
 14.5. Environmental hazards: Not applicable

14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

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

Observe restrictions:
 Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)!
 Regulation (EC) No 1907/2006, Annex XVII
 Lead
 Regulation (EU) No 649/2012 'concerning the export and import of hazardous chemicals' must be adhered to, as the product contains a substance that falls within the scope of this Regulation.
 Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)!
 Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC): 0 %

Observe incident regulations.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: 15
 These details refer to the product as it is delivered.
 Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Repr. Lact., H362	Classification according to calculation procedure.
Repr. 1A, H360FD	Classification according to calculation procedure.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H360FD May damage fertility. May damage the unborn child.
 H362 May cause harm to breast-fed children.

Repr. — Reproductive toxicity

Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.

Guidelines for the preparation of safety data sheets as amended (ECHA).

Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

Förch SAS
ZAE Le Marchais Renard
CS 50125 Montereau-sur-le-Jard
77019 Melun Cedex
Frankreich
Tel. +33 1 64 14 48 48
Fax. +33 1 64 14 48 49
E-Mail: info@forch.fr
Internet: www.forch.fr

S.C. Foerch S.R.L.
Str. Zizinului nr.110
500407 Brasov
Rumänien
Tel. +40 368 408192
Fax. +40 368 408193
E-Mail: info@foerch.ro
Internet: www.foerch.ro

Foerch AG
Muttenerstrasse 143
4133 Pratteln
Schweiz
Tel. +41 61 8262031
Fax. +41 61 8262039
E-Mail: info@foerch.ch
Internet: www.foerch.ch

Foerch Bulgaria EOOD
475 Botevgradsko Shose Blvd.
BG 1517 Sofia, Bulgaria
Tel. 00359 2 981 2841
Fax. 00359 982 10 30 86
E-Mail: info@foerch.bg

Förch d.o.o.
Buzinska cesta 58
10010 Zagreb
Kroatien
Tel. +385 1 2912900
Fax. +385 1 2912901
E-Mail: info@foerch.hr
internet: www.foerch.hr

Theo Förch GmbH
Röcklbrunnstraße 39A
5020 Salzburg
Österreich
Tel. +43 662 875574-0
Fax +43 662 878677-21
Verkauf Tel. +43 662 875574-900
Verkauf Fax +43 662 875574-30
E-Mail: info@foerch.at
Internet: www.foerch.at

Förch Componentes para Taller S.L.
Camino de San Antón, S/N
18102 Ambroz (Granada)
Spanien
Tel. +34 958 40 17 76
Fax. +34 958 40 17 87
E-Mail: info@forch.es
Internet: www.forch.es

Förch A/S
Hagemannsvej 3
8600 Silkeborg
Dänemark
Tel. +45 86 823711
Fax. +45 86 800617
E-Mail: info@foerch.dk
Internet: www.foerch.dk

Lhomme Tools & Fasteners BV
Seinhuisstraat 5 B4
Poort 0331
3600 Genk
Belgien
Tel. +32 89 71 66 61
E-Mail: info@lhommetools.be
Internet: www.lhommetools.be

Ziebe Limited
7 Century Court, Westcott,
Aylesbury, Bucks, HP18 0XP (UK)
Grossbritannien
Tel +44 12 96 65 52 82
E-Mail: sales@ziebe.co.uk
Internet: www.ziebe.co.uk

Förch Polska Sp. z o.o
Mikdyrzecze Górne 379
43-392 K/Bielska-Bialej
Polen
Tel. +48 338196000
Fax. +48 338158548
E-Mail: info@forch.pl
Internet: www.forch.pl

Vardalis SM P.C.
Ethnikis Antistasis 62
57007 Chalkidona-Thessaloniki
Griechenland
Tel. +30 23910 21222
Fax. +30 23910 21223
E-Mail: info@forch.gr
Internet: www.forch.gr

Förch Kereskedelmi Kft
Börgöndi út 14
8000 Székesfehérvár
Ungarn
Tel. +36 22 348348
Fax. +36 22 348355
E-Mail: info@foerch.hu
Internet: www.foerch.hu

Förch S.r.l.
Via Antonio Stradivari 4
39100 Bolzano (BZ)
Italien
Tel: +39 0471 204330
Fax: +39 0471 204290
E-Mail: info@forch.it
Internet: www.forch.it

Förch Nederland BV
Twentepoort Oost 51
7609 RG Almelo
Niederlande
Tel. +31 85 77 32 420
E-Mail: info@foerch.nl
Internet: www.foerch.nl

Page 13 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.06.2022 / 0016
 Replacing version dated / version: 01.11.2021 / 0015
 Valid from: 09.06.2022
 PDF print date: 09.06.2022
 Soft Solder Wire with Flux 1,5MM
 500 g Art.: 5471 15 500, Art.: 5474 15 500

AB varahlutir ehf
 Funahöfði 9
 110 Reykjavík
 Tel. +354 567 6020
 E-mail: ab@ab.is
 Internet: www.ab.is

Förch Slovensko s.r.o.
 Rosinská cesta 8
 010 08 Žilina
 Slowakei
 Tel +421 41 5002454
 E-Mail: info@forch.sk
 Internet: www.forch.sk

Förch Sverige AB
 Brännarevägen 1
 151 55 Södertälje
 Schweden
 Tel. +46 855089264
 E-mail: info@foerch.se
 Internet: www.foerch.se

Förch, s.r.o.
 Dopravní 1314/1
 104 00 Praha 10 – Uhřetínoves
 Tschechien
 Tel. +420 271 001 984-9
 E-Mail: info@foerch.cz
 Internet: www.foerch.cz

FORCH d.o.o.
 Ljubljanska cesta 51A
 1236 Trzin
 Slowenien
 Tel. +386 1 2442490
 Fax. +386 1 2442492
 E-Mail: info@foerch.si
 Internet: www.foerch.si

Forch Australia
 2 Forward Street
 Gnaragara WA 6077
 Tel. +61 (08) 9303 9113
 Fax. +61 (08) 9303 9114
 Emergency telephone: +614 13 550 330
 Email : sales@forch.com.au
 Internet: www.forch.com.au

Troscoe Ltd
 Unit 6, 13 Highbrook Drive
 East Tamaki 2013, New Zealand
 Tel: +64 21 081 30780 / +64 21 024 05583
 Email:sales@forchnz.co.nz
 Internet: www.forchnz.co.nz

Förch Portugal Lda
 Centro Empresarial Sintra-Estoril III
 Rua Pé de Mouro, Nr 33, Armazém J
 2710-335 Sintra
 Portugal
 Tel. +351 917314442
 E-Mail: info@forch.pt
 Internet: www.forch.pt

Trigers SIA
 Straupes iela 3
 1073 Riga
 Lettland
 Tel. +371 6 7 90 25 15
 Fax. +371 67 90 24 96
 E-Mail: triggers@trigers.lv
 Internet: www.trigers.lv

Förch Otom.Ins.ve San.Ürün.Paz.Ltd.Sti.
 Haramidere Mevkii Beysan Sanayi
 Sitesi Birlik Caddesi No:6/3
 34524 Beylikdüzü / Istanbul
 Türkei
 Tel. +90 (0)212 422 8744-45
 Fax. +90 (0)212 422 8788
 E-Mail: info@forch.com.tr
 Internet: www.forch.com.tr

Total Consumables Ltd
 Coolnafeearagh
 Monasterevin
 Co. Kildare
 W34 TX29
 Irland
 Tel. +353871271473

Venus Arma d.o.o.
 Partner Theo Förch GmbH & Co. KG
 Batajnicki drum 18a
 11080 Zemun
 Republika Srbija
 Tel. +381 11 407-20-91
 Fax. +381 11 407-20-91
 E-Mail: office@foerch.rs
 Internet: www.foerch.rs

Any abbreviations and acronyms used in this document:

acc., acc. to according, according to
 ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
 AOX Adsorbable organic halogen compounds
 approx. approximately
 Art., Art. no. Article number
 ASTM ASTM International (American Society for Testing and Materials)
 ATE Acute Toxicity Estimate
 BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
 BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
 BCF Bioconcentration factor
 BSEF The International Bromine Council
 bw body weight
 CAS Chemical Abstracts Service
 CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
 CMR carcinogenic, mutagenic, reproductive toxic
 DMEL Derived Minimum Effect Level

Page 14 of 15

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 09.06.2022 / 0016

Replacing version dated / version: 01.11.2021 / 0015

Valid from: 09.06.2022

PDF print date: 09.06.2022

Soft Solder Wire with Flux 1,5MM

500 g Art.: 5471 15 500, Art.: 5474 15 500

DNEL Derived No Effect Level
 DOC Dissolved organic carbon
 dw dry weight
 e.g. for example (abbreviation of Latin 'exempli gratia'), for instance
 EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants)
 EC European Community
 ECHA European Chemicals Agency
 ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect
 EEC European Economic Community
 EINECS European Inventory of Existing Commercial Chemical Substances
 ELINCS European List of Notified Chemical Substances
 EN European Norms
 EPA United States Environmental Protection Agency (United States of America)
 ErCx, EuCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)
 etc. et cetera
 EU European Union
 EVAL Ethylene-vinyl alcohol copolymer
 Fax. Fax number
 gen. general
 GHS Globally Harmonized System of Classification and Labelling of Chemicals
 GWP Global warming potential
 Koc Adsorption coefficient of organic carbon in the soil
 Kow octanol-water partition coefficient
 IARC International Agency for Research on Cancer
 IATA International Air Transport Association
 IBC (Code) International Bulk Chemical (Code)
 IMDG-code International Maritime Code for Dangerous Goods
 incl. including, inclusive
 IUCLID International Uniform Chemical Information Database
 IUPAC International Union for Pure Applied Chemistry
 LC50 Lethal Concentration to 50 % of a test population
 LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)
 Log Koc Logarithm of adsorption coefficient of organic carbon in the soil
 Log Kow, Log Pow Logarithm of octanol-water partition coefficient
 LQ Limited Quantities
 MARPOL International Convention for the Prevention of Marine Pollution from Ships
 n.a. not applicable
 n.av. not available
 n.c. not checked
 n.d.a. no data available
 NIOSH National Institute for Occupational Safety and Health (USA)
 NLP No-longer-Polymer
 NOEC, NOEL No Observed Effect Concentration/Level
 OECD Organisation for Economic Co-operation and Development
 org. organic
 OSHA Occupational Safety and Health Administration (USA)
 PBT persistent, bioaccumulative and toxic
 PE Polyethylene
 PNEC Predicted No Effect Concentration
 ppm parts per million
 PVC Polyvinylchloride
 REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
 REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
 RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
 SVHC Substances of Very High Concern
 Tel. Telephone
 TOC Total organic carbon
 UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
 VOC Volatile organic compounds
 vPvB very persistent and very bioaccumulative
 wwt wet weight

GB

Page 15 of 15

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 09.06.2022 / 0016

Replacing version dated / version: 01.11.2021 / 0015

Valid from: 09.06.2022

PDF print date: 09.06.2022

Soft Solder Wire with Flux 1,5MM

500 g Art.: 5471 15 500, Art.: 5474 15 500

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.