

Safety data sheet

according to 1907/2006/EC, Article 31 and 2020/878/EU

Printing date 08.08.2023

Version number 7 (replaces version 6)

Revision: 08.02.2022

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

1.1 Product identifier

Trade name: **Reinzinn; Elektroniklot Sn99,9 LOW LEAD**
Block tin, tin wire, electric solder Sn LOW LEAD

CAS Number:

7440-31-5

EC number:

231-141-8

Registration number 01-2119486474-28

UFI: not applicable.

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

No further relevant information available.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Felder GmbH
 Im Lipperfeld 11
 D-46047 Oberhausen

Tel.: +49 (0)208/ 85035-0

Fax.: +49 (0)208/ 26080

<http://www.felder.de>e-mail: info@felder.de

Further information obtainable from:

lab

(mo-thu. 8:00 a.m. - 4:00 p.m./ fr. 8:00 a.m. - 1:00 p.m.)

email: mprobst@felder.de

1.4 Emergency telephone number: Not necessary, due to the fact that the product does not need to be labelled.

EuPCS: PC-TEC-24



SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Substances

CAS No. Description

7440-31-5 tin

Identification number(s)

EC number: 231-141-8

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Take affected persons out into the fresh air.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

After contact with the molten product, cool rapidly with cold water.

Do not pull solidified product off the skin.

Seek medical treatment.

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After eye contact:*Call a doctor immediately.**Rinse opened eye for several minutes under running water.***After swallowing:** *If symptoms persist consult doctor.***4.2 Most important symptoms and effects, both acute and delayed** *No further relevant information available.***4.3 Indication of any immediate medical attention and special treatment needed***No further relevant information available.***SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:***Use fire extinguishing methods suitable to surrounding conditions.**Special powder for metal fires. Do not use water.***For safety reasons unsuitable extinguishing agents:** *Water***5.2 Special hazards arising from the substance or mixture** *No further relevant information available.***5.3 Advice for firefighters****Protective equipment:***Do not inhale explosion gases or combustion gases.**Mouth respiratory protective device.***SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures** *Not required.***6.2 Environmental precautions:** *No special measures required.***6.3 Methods and material for containment and cleaning up:** *Allow to solidify. Pick up mechanically.***6.4 Reference to other sections** *No dangerous substances are released.***SECTION 7: Handling and storage****7.1 Precautions for safe handling** *Ensure that suitable extractors are available on processing machines***Information about fire - and explosion protection:** *Keep respiratory protective device available.***7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** *No special requirements.***Information about storage in one common storage facility:** *Store away from foodstuffs.***Further information about storage conditions:** *Store in dry conditions.***Storage class:** 13**7.3 Specific end use(s)** *No further relevant information available.***SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****7440-31-5 tin**MAK (Germany) *vgl. Abschn. IIb*OEL (Ireland) *Short-term value: 0.2** mg/m³**Long-term value: 2* 0.1** mg/m³**IOELV, *metal, oxide, inorg. compds., **org. compds.***Regulatory information**

MAK (Germany): MAK- und BAT-Liste

OEL (Ireland): 2021 CoP for the Safety, Health and Welfare at Work

recommended monitoring procedures in accordance with 2020/878/EU no. 8.1.2:

7440-31-5 tin: NIOSH 7300, 7301, 7303(E), OSHA ID-121, ISO15202(E,F), MTA/MA-025/A92(ESP)

Additional information: *The lists valid during the making were used as basis.***8.2 Exposure controls****Appropriate engineering controls** *No further data; see section 7.***Appropriate engineering controls:***Ensure adequate ventilation.**Remove the fumes by means of suitable suction devices.*

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Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat, drink, smoke or sniff while working.

Avoid skin contact with the liquefied material.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Filter P2

Hand protection *Leather gloves*

Material of gloves *Leather gloves*

Penetration time of glove material *Value for the permeation: Level ≤ -*

Eye/face protection *in cases of application: protective goggles*

Body protection: *Protective work clothing*

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Colour: *Silver-coloured*

Odour: *Characteristic*

Melting point/freezing point: *232 °C*

Boiling point or initial boiling point and boiling range *Undetermined.*

Flammability *Product is not flammable.*

Flash point: *Not applicable.*

pH *Not applicable.*

Solubility
water: *Insoluble.*

Density and/or relative density

Density: *Not determined.*

Particle characteristics

See section 3.

9.2 Other information

Appearance:

Form: *Solid*

Important information on protection of health and environment, and on safety.

Explosive properties: *Product does not present an explosion hazard.*

Solvent content:

Organic solvents: *0.0 %*

VOC (EC) *0.00 %*

Solids content: *100.0 %*

Information with regard to physical hazard classes

Explosives *Void*

Flammable gases *Void*

Aerosols *Void*

Oxidising gases *Void*

Gases under pressure *Void*

Flammable liquids *Void*

Flammable solids *Void*

Self-reactive substances and mixtures *Void*

Pyrophoric liquids *Void*

Pyrophoric solids *Void*

Self-heating substances and mixtures *Void*

Substances and mixtures, which emit flammable gases in contact with water *Void*

Oxidising liquids *Void*

Oxidising solids *Void*

Organic peroxides *Void*

Corrosive to metals *Void*

Desensitised explosives *Void*

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SECTION 10: Stability and reactivity

10.1 Reactivity *No further relevant information available.*

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: *No decomposition if used according to specifications.*

10.3 Possibility of hazardous reactions *No dangerous reactions known.*

10.5 Incompatible materials: *No further relevant information available.*

10.6 Hazardous decomposition products: *No dangerous decomposition products known.*

SECTION 11: Toxicological information

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

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

Skin corrosion/irritation *Based on available data, the classification criteria are not met.*

Serious eye damage/irritation *Based on available data, the classification criteria are not met.*

Respiratory or skin sensitisation *Based on available data, the classification criteria are not met.*

Germ cell mutagenicity *Based on available data, the classification criteria are not met.*

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

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

STOT-single exposure *Based on available data, the classification criteria are not met.*

STOT-repeated exposure *Based on available data, the classification criteria are not met.*

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

11.2 Information on other hazards

Endocrine disrupting properties

Substance is not listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: *No further relevant information available.*

12.2 Persistence and degradability *No further relevant information available.*

12.3 Bioaccumulative potential *No further relevant information available.*

12.4 Mobility in soil *No further relevant information available.*

12.5 Results of PBT and vPvB assessment

PBT: *Not applicable.*

vPvB: *Not applicable.*

12.6 Endocrine disrupting properties *For information on endocrine disrupting properties see section 11.*

12.7 Other adverse effects

Additional ecological information:

General notes: *Not hazardous for water.*

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation *Contact manufacturer for recycling information.*

European waste catalogue

17 04 06: tin

overpack:

15 01 01: paper and cardboard packaging

Uncleaned packaging: *void.*

Recommendation: *Disposal must be made according to official regulations.*

SECTION 14: Transport information

14.1 UN number or ID number

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

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14.3 Transport hazard class(es)**ADR, ADN, IMDG, IATA****Class** Void**14.4 Packing group****ADR, IMDG, IATA** Void**14.5 Environmental hazards:****Marine pollutant:** No**14.6 Special precautions for user** Not applicable.**14.7 Maritime transport in bulk according to IMO instruments** Not applicable.**UN "Model Regulation":** Void**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Directive 2012/18/EU****Named dangerous substances - ANNEX I** *Substance is not listed.***REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)** *None of the ingredients are listed.***DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II***Substance is not listed.***REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))***Substance is not listed.***Annex II - REPORTABLE EXPLOSIVES PRECURSORS***Substance is not listed.***Regulation (EC) No 273/2004 on drug precursors***Substance is not listed.***Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors***Substance is not listed.***National regulations:****Information about limitation of use:** *Employment restrictions concerning juveniles must be observed.***Waterhazard class:** *Generally not hazardous for water.***15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.***SECTION 16: Other information***This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.***Reasons for changes:**31.08.2015: *Adaption to Regulation 453/2010/EG, 830/2015/EU, 2012/18/EU*19.01.2017: *chapter 12, 15*26.04.2018: *chapter 13*11.09.2020: *chapter 1*20.05.2021: *chapter 1, .15, 16*08.02.2022: *chapter 1, 8.1, 15***Contact:** *Dr. M. Probst***Version number of previous version:** 6**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)**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**CAS: Chemical Abstracts Service (division of the American Chemical Society)*

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VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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