

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

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Easy Solder Tube 20g

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

* 1.1. Product identifier

Trade name/designation:

Easy Solder Tube 20g

Article No.:

T873020

UFI:

MQ6U-H1YM-30N6-0UJN

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

Use of the substance/mixture:

Solder

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH

Hartleitnerstraße 3

4653 Eberstälzell

Austria

Telephone: +43 (0) 7241 213 79

E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	

* 2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

Hazard statements: none

Supplemental hazard information: none

Precautionary statements: none

2.3. Other hazards

Other adverse effects:

No information available.

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SECTION 3: Composition/information on ingredients

* 3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 7440-31-5 EC No.: 231-141-8 REACH No.: 01-2119486474-28-0000	tin Substance with a community workplace exposure limit.	93.3 – 100 weight-%
CAS No.: 7440-22-4 EC No.: 235-131-3 REACH No.: 01-2119555669-21-0000	Silber (Ag) Substance with a community workplace exposure limit.	3.3 – 3.7 weight-%
CAS No.: 8050-09-7 EC No.: 232-475-7 Index No.: 650-015-00-7 REACH No.: 01-2119480418-32-0000	Rosin Skin Sens. 1 (H317) Warning	1 – 3 weight-%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:

If dusts or fumes occur during processing, ensure adequate ventilation and/or respiratory protection. If dusts/fumes have been inhaled, consult a doctor if symptoms persist.

In case of skin contact:

In general, the product is not irritating to skin.

After eye contact:

Rinse opened eye for several minutes under running water. Consult a doctor if symptoms persist

Following ingestion:

Consult a doctor if symptoms persist.

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 media:

Dry sand, Extinguishing powder, Special powder for metal fires
Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media:

Water

5.2. Special hazards arising from the substance or mixture

none

5.3. Advice for firefighters

Do not inhale explosion and combustion gases.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Not required.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

No special measures are necessary.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Take up mechanically.

Other information:

Dispose of the ingested material in accordance with the regulations.

6.4. Reference to other sections

See section 7 for further information on safe handling.

For further information on personal protective equipment: see section 8.

For further information on disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Ensure suitable extraction at the processing machines. Do not inhale dust/fumes produced. Ensure compliance with the occupational exposure limit(s) (OEL) and/or other limit values.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Observe water regulations.

Hints on storage assembly:

Not required.

Storage class (TRGS 510, Germany): 10 - 13 - Other combustible and non-combustible substances

Further information on storage conditions:

none

7.3. Specific end use(s)

Recommendation:

No further relevant information available.

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SECTION 8: Exposure controls/personal protection

* 8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IOELV (EU)	tin CAS No.: 7440-31-5 EC No.: 231-141-8	① 2 mg/m ³
MAK (AT)	tin CAS No.: 7440-31-5 EC No.: 231-141-8	① 2 mg/m ³ ⑤ (einatembare Fraktion)
MAK (AT)	tin CAS No.: 7440-31-5 EC No.: 231-141-8	② 4 mg/m ³ ⑤ (einatembare Fraktion, max. 4x15 min./Schicht)
IOELV (EU)	Silber (Ag) CAS No.: 7440-22-4 EC No.: 235-131-3	① 0.01 mg/m ³ ⑤ (silver compounds, soluble, calculated as Ag)
MAK (AT)	Silber (Ag) CAS No.: 7440-22-4 EC No.: 235-131-3	① 0.01 mg/m ³ ⑤ (Silberverbindungen, löslich, berechnet als Ag, einatembare Fraktion)
MAK (AT)	Silber (Ag) CAS No.: 7440-22-4 EC No.: 235-131-3	① 0.1 mg/m ³ ② 0.1 mg/m ³ ⑤ (Metall, max. 1x30 min./Schicht)
IOELV (EU)	Silber (Ag) CAS No.: 7440-22-4 EC No.: 235-131-3	① 0.1 mg/m ³ ⑤ (metal)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

* 8.2. Exposure controls

8.2.1. Appropriate engineering controls

See section 7.

8.2.2. Personal protection equipment



Eye/face protection:

Safety goggles recommended for soldering work.

Skin protection:

Hand protection:

Protective gloves / heat insulating

Preventive skin protection through the use of skin protectants is recommended.

Glove material: Wear heat-insulating gloves for rough soldering work.

Body protection: Wear heat-resistant protective clothing when handling hot/molten product. Body protection equipment should be selected depending on the activity and possible exposure.

Respiratory protection:

Use suitable respiratory protection if dust or fumes are generated.

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Other protection measures:

Wear suitable safety clothing and eye/face protection.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

* 9.1. Information on basic physical and chemical properties

Appearance

Physical state: solid

Colour: metallic, silver

Odour: Kolophonium

flammability: No data available

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	No data available	
Melting point	221 - 245 °C	
Freezing point	No data available	
Initial boiling point and boiling range	No data available	
Evaporation rate	No data available	
Vapour pressure	No data available	
Density	7.4 g/cm ³	
Bulk density	No data available	
Water solubility	practically insoluble	

particle characteristics:

No data available

9.2. Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

* 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

Thermal decomposition / Conditions to avoid: No decomposition when used as directed.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

Toxic or harmful metal oxides.

SECTION 11: Toxicological information

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

Acute oral toxicity:

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

Acute dermal toxicity:

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

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Acute inhalation 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:

None of the ingredients are included.

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

Biodegradation:

Inorganic product which is not eliminable from water through biological cleaning processes.

* 12.3. Bioaccumulative potential

Accumulation / Evaluation:

Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

Product does not contribute to the AOX value of waste water (DIN EN 1485).

General information non-hazardous to water

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

tin	CAS No.: 7440-31-5	EC No.: 231-141-8
Results of PBT and vPvB assessment: —		
Silber (Ag)	CAS No.: 7440-22-4	EC No.: 235-131-3
Results of PBT and vPvB assessment: —		
Rosin	CAS No.: 8050-09-7	EC No.: 232-475-7
Results of PBT and vPvB assessment: —		

12.6. Endocrine disrupting properties

None of the ingredients are included.

12.7. Other adverse effects

No further relevant information available.

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SECTION 13: Disposal considerations

* 13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

For recycling, contact manufacturer.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Restrictions on use:

Regulation (EC) No. 2037/2000 concerning materials, which cause damage to the ozone layer

Regulation (EU) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals

Not subject to the SEVESO III Directive.

REACH Candidate List: not listed

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1. Indication of changes

1.1.	Product identifier
2.2.	Label elements
3.2.	Mixtures
8.1.	Control parameters
8.2.	Exposure controls
9.1.	Information on basic physical and chemical properties
10.2.	Chemical stability

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12.3.	Bioaccumulative potential
13.1.	Waste treatment methods
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.2.	Abbreviations and acronyms

* 16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AGW	Threshold Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
ES	Exposure scenario
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
OEL	Threshold Limit Value
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

16.3. Key literature references and sources for data

No data available

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H317	May cause an allergic skin reaction.

16.6. Training advice

No data available

16.7. Additional information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

* Data changed compared with the previous version.