Safety Data Sheet

Regulation 1907/2006/EC, Article 31 REACH
Issue Number 1, Revision Date: June 2020
No. of pages 4

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

1.1. Product Identifier

Product Name	High Purity Bar Solder Tinmans & Pellets SK100C (RoHS Compliant/Reach Compliant) No SVHC's

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

Description	Bar Solder/Tinmans & Pellets for wave soldering. For Industrial Use only .

1.3. Details of the supplier of the safety data sheet

Company	Solderking Assembly Materials Limited
Address	Unit 5D Lancaster Road Carnaby Bridlington East Yorkshire YO15 3QY United Kingdom
Web	www.solderking.com
Telephone	01262 363088
Email	info@solderking.com
Email of competent person	info@solderking.com

1.4. Emergency telephone number

+44 01262 363088

SECTION 2: Hazards Identification

2.1. Classification of the mixture

Main Hazards	P403+P235 Store in a well ventilated place. Keep cool
Label Elements EC 1272/2008	
Classification	Not Classified
GHS Symbols	Not Classified
Hazard Statements	
Precautionary Statements	

SECTION 3: Composition & Ingredients

This material is defined as a mixture

Alloy SK100C Melting 227ºC

Chemical Name	CAS No	EC No.	REACH Registration Number	Conc.(%w/w)	
Tin*	7440-31-5	231-141-8	01-2119486474-28-xxxx	Rem	
Copper	7440-50-8	231-159-6	01-2119480154-xxxx	0.5-0.7	 Danger! -Toxic to aquatic life

*doped alloy nickel

SECTION 4: First Aid Measures

4.1. Description of first aid measures

If inhaled	If breathed in move the exposed person to fresh air. If person is not breathing give

	artificial respiration. Consult a doctor.
In case of eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelid open.
In case of skin contact	Wash off with plenty of soap and water.
If swallowed	Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Consult a doctor as soon as possible.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Not known
Eye Contact	
Skin Contact	Obtain treatment for burns
Ingestion	

4.3 Indication of any immediate medical attention and special treatment needed

Seek medical attention if any symptoms persist

SECTION 5: Firefighting Measures

5.1. Extinguishing Media

Use extinguishing media appropriate to the surrounding fire conditions (Dry chemical, carbon dioxide, water spray or foam)

5.2. Special hazards arising from the substance or mixture

No specific fire or explosion hazard.

5.3 Advice for Fire Fighters

Remove all persons from the area of the accident if there is a fire. Fire fighters should wear self-contained breathing apparatus with a full face piece operated in positive pressure mode.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Do not walk through or touch spilt material. Ensure adequate ventilation of the working area.

6.2. Environmental precautions

Do not allow product to enter drains, soil, waterways and sewers. Prevent further spillage if safe

6.3. Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable closed containers for disposal.

6.4. reference to other sections

See section 2,8,13 for further information

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Fumes produced during reflow should be extracted away from the breathing zone of operators. Wash hands with soap and warm water after handling soldering products. Adopt best manual handling considerations when handling, carrying and dispensing.

7.2. Precautions for safe storage, including and incompatabilities

Keep in a cool, dry, well ventilated area.

7.3. Specific end use(s)

Bar solder / Tinmans /Pellets for pots

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Tin	2 mg/ m^3 8 hour Time Weighted Average, UK EH40

8.2. Exposure Controls

8.2.1 Appropriate engineering controls	Extraction should be used to reduce exposure. Please use health and safety guidelines to choose suitable extraction.
8.2.2. Individual protection measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use. Ensure that eye wash stations are close to the work area.
Eye/face protection	
Skin / Hand protection	Wear protective clothing. Handle with gloves. Gloves must be inspected prior to use. When handling dross or molten metal, heat resistant gloves should be used. Wash and dry hands.
Biological Standards	None

Environmental exposure controls	The material possesses minimal risk to the environment.

SECTION 9: Information on basic physical and chemical properties

State	Solid
Colour	Grey
Odour	Metal
pH	No data available
Melting point	227ºC
Freezing point	Not available
Boiling point	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability limits	Not available
Vapour flammability	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Fat solubility	Not available
Partition coefficient	Not available
Autoignition temperature	Not available
Viscosity	Not available
Solubility	Insoluble in water

9.2. Other Information

Conductivity	No data available
Surface Tension	No data available
Gas group	No data available

SECTION 10: Stability and Reactivity

10.1. Reactivity

No data available on this product

10.2. Stability

10.3. Possibility of Hazardous Reactions

None

10.4. Conditions to avoid

None

10.5.Incompatible Materials

None

10.6 Hazardous Decomposition Products

No data available

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Inhalation	Fumes generated during use may cause sensitisation to the respiratory system and
Ingestion	should be extracted away from the operator.
Skin Contact	Skin contact should be avoided.
Eye contact	No information available.
Target Organs	No information available
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.

SECTION 12: Ecological Information

12.1. Toxicity - Rated as slightly toxic to aquatic species
12.2. Persistence and degradability - Resistant to bio-degradation and insoluble in water.
12.3. Bio accumulative potential - No data available
12.4. Mobility in soil - No data available
12.5.Results of PBT and vPvB assessment- no data available
12.6 Other adverse effects -No data available

SECTION 13: **Disposal Considerations**

General Information

Dispose of in compliance with all local and national regulations. Empty containers may contain product residue. The product container must be disposed of in a safe way.

Disposal methods
Contact a licensed waste disposal company. Avoid dispersal of spilt material and runoff in contact with soil, waterways

Disposal and Packaging
Do NOT reuse empty containers. Empty containers can be sent for disposal and recycling.

Further Information
For disposal with the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. 06 04 05 Wastes containing other heavy metals. Hazardous waste.

SECTION 14: Transport Information
Hazard Pictograms
Not hazardous for transport
14.1. UN Number
-
14.2. UN Proper Shipping Name
-
14.3. Transport Hazard Class

ADR/RID	-
Subsidiary risk	-
IMDG	-
Subsidiary risk	-
IATA	-
Subsidiary risk	-

14.4. Packing Group

Packing Group	-
	-

14.5. Environmental Hazards

Environmental hazard	No
Marine Pollutant	No

ADR/RID

Hazard ID	-
Tunnel Category	-

IMDG

Ems Code	-

IATA

Packing Instruction (Cargo)	-
Maximum quantity	-
Packing Instruction (Passenger)	-
Maximum quantity	-

SECTION 15: Regulatory Information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
15.2 Chemical safety assessment
For this product a chemical safety assessment was not carried out

SECTION 16: Further Information
This product is Reach and RoHS compliant.
The information supplied in this safety data sheet is designed only as guidance for the safe use, storage and handling of the product. It is a guide and does not purport to be all inclusive. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. The user should always use the appropriate safety precautions and ask Solderking technical if anything is not understood. This information is related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
Please contact info@solderking.com for more information