Material Safety Data Sheet (MSDS)

Applicant	:	**Shenzhen KINGMAX Technology Co., Ltd.**
Address	:	**304-306, Building B,Youth E-Commerce, No. 2 Lianwei Street,Hualian Community, Longhua Street, Shenzhen, Guangdong**
Manufacturer	:	**Shenzhen KINGMAX Technology Co., Ltd**
Address	:	**304-306, Building B,Youth E-Commerce, No. 2 Lianwei Street,Hualian Community, Longhua Street, Shenzhen, Guangdong**
Sample Name	:	**KINGMAX solder paste**
Main Model	:	**PB138, PB158,PB183,PB199,PB217,SP138,SP158,SP183,SP199,SP217**
Series Model	:	**N/A**
Date of Test	:	**Mar. 13, 2025 to Mar. 18, 2026**

Signed for and on behalf of

Make Liu
Technical Director

1. Product and Company Identification

1.1 GHS Product identifier

Product name	KINGMAX solder paste

1.2 Recommended use of the chemical and restrictions on use

Recommended Use	No data available
Uses advised against	No data available

1.3 Details of the supplier of the material safety data sheet

Supplier	Shenzhen KINGMAX Technology Co., Ltd..
Address	304-306, Building B,Youth E-Commerce, No. 2 Lianwei Street,Hualian Community, Longhua Street, Shenzhen, Guangdong
Postal Code	518110
Phone	17727569536
FAX	N/A
E-mail	info@kingmax.cc

1.4 Emergency telephone number

Emergency number	17727569536

2. Hazards Identification

2.1 Classification of the substance or mixture

Reproductive toxicity (Category 1A), H360

Effects on or via lactation, H362

Specific target organ toxicity - repeated exposure, Oral (Category 1), Central nervous system, Blood, Immune system, Kidney, H372

GHS label elements, including precautionary statements

Pictogram(s)

Signal word	Warning
Hazard statement(s)	H360 May damage fertility or the unborn child. H362 May cause harm to breast-fed children. H372 Causes damage to organs (Central nervous system, Blood,Immune system, Kidney) through prolonged or repeated exposure if swallowed

Precautionary statement(s)

Prevention	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P263 Avoid contact during pregnancy/ while nursing. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].
Response	P308 + P313 IF exposed or concerned: Get medical advice/ attention.
Storage	P405 Store locked up.
Disposal	P501 Dispose of contents/ container to an approved waste disposal plant.

2.2 Other hazards which do not result in classification

no data available.

3. Composition/information on ingredients

Chemical name	CAS number	EC number	Concentration (%)	CLP	
Tin（SN） Substance	7440-31-5	231-141-8	63.0	Classification	Concentration
				-	<= 100 %
	Molecular weight : 118.71 g/mol **Substance / Mixture :** Substance				
	Value	**Control parameters**	**Basis**		
	TWA	2 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants		
	TWA	2 mg/m3	USA. ACGIH Threshold Limit，Values (TLV)		
	TWA	2 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants -1910.1000		
	TWA	2 mg/m3	USA. NIOSH Recommended Exposure Limits		
	PEL	2 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article107)		
Chemical name	**CAS number**	**EC number**	**Concentration (%)**	**CLP**	
Lead(Pb)	7439-92-1	-	26.4	Classification	Concentration
				Reproductive toxicity Category 1A; Effects on or via lactation ; Specific target organ toxicity - repeated exposure Category 1; H360, H362, H372	<= 100 %
	Substance / Mixture : Substance				
	Value	**Control parameters**	**Basis**		
	PC-TWA	0.03 mg/m3	Occupational exposure limits for hazardous agents in the workplace – Chemical hazardous agents.		
	Remarks		G2A - Probably carcinogenic to humans		
	PC-TWA	0.05 mg/m3	Occupational exposure limits for hazardous agents in the workplace – Chemical hazardous agents.		
	Remarks		G2B - Possibly carcinogenic to humans		
	PC-TWA	0.03 mg/m3	Occupational exposure limits for hazardous agents in the workplace – Chemical hazardous agents.		
	Remarks		G2B - Possibly carcinogenic to humans		
Chemical name	**CAS number**	**EC number**	**Concentration (%)**	**CLP**	
Antimony	7440-36-0	-	**0.5**	-	
Flux For Welding Electrodes	-	-	**10.1**	-	

4. First Aid Measures

4.1 Description of necessary first-aid measures

If inhaled

Fresh air, rest. Refer for medical attention.

Following skin contact

Remove contaminated clothes. Rinse and then wash skin with water and soap.

Following eye contact

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then refer for medical attention.

Following ingestion

Rinse mouth. Do NOT induce vomiting. Give one or two glasses of water to drink. Rest.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Fire Fighting Measures

5.1 Suitable extinguishing media

Use water spray to cool unopened containers.

5.2 Special hazards arising from the chemical

No data available

5.3 Protective equipment and precautions for firefighters

Use dry powder. Use foam. Use carbon dioxide. In case of fire: keep drums, etc., cool by spraying with water.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Chemical protection suit including self-contained breathing apparatus. Remove all ignition sources. Absorb remaining liquid in sand or inert absorbent. Then store and dispose of according to local regulations.

6.2 Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7. Handling and Storage

7.1 Precautions for safe handling

No open flames, No sparks and No smoking. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

7.2 Conditions for safe storage, including any incompatibilities

Store the container tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values

No data available

Biological limit values

No data available

8.2 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear safety goggles or eye protection in combination with breathing protection.

Skin protection

Protective clothing. Protective gloves.

Respiratory protection

Use ventilation, local exhaust or breathing protection.

Thermal hazards

No data available

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Gray
Odour	Odourless

Important health, safety and environmental information

Melting point/ freezing point	no data available
Boiling point or initial boiling point and boiling range	no data available
Flammability	no data available
Lower and upper explosion limit / flammability limit	no data available
Flash point	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
PH	no data available
Kinematic viscosity	no data available
Solubility	no data available
Vapour pressure	no data available
Density	no data available
Water solubility	no data available
Ignition temperature	no data available

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity	No data available
Oral	It's impossible to ingest.
Inhalation	No data available
Dermal	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Skin corrosion/irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	Not classified as a carcinogen or suspected carcinogen by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No inhalation hazard under normal conditions.

12. Ecological Information

12.1 Toxicity

Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to algae	No data available
Toxicity to microorganisms	No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse effects

No data available

13. Disposal Considerations

13.1 Disposal methods

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14. Transport Information

14.1 UN Number

ADR/RID	Not dangerous goods
IMDG	Not dangerous goods
IATA:	Not dangerous goods

14.2 UN Proper Shipping Name

ADR/RID	Unknown
IMDG	Unknown
IATA:	Unknown

14.3 Transport hazard class(es)

ADR/RID	Not dangerous goods
IMDG	Not dangerous goods
IATA:	Not dangerous goods

14.4 Packing group, if applicable

ADR/RID	Not dangerous goods
IMDG	Not dangerous goods
IATA:	Not dangerous goods

14.5 Environmental hazards

ADR/RID	Unknown
IMDG	Unknown
IATA:	Unknown

14.6 Special precautions for user

no data available

14.7 Transport in bulk according to IMO instruments

no data available

15. Regulatory Information

Safety, health and environmental regulations specific for the product in question

European Inventory of Existing Commercial Chemical Substances (EINECS)	Not Listed.
EC Inventory	Not Listed.
United States Toxic Substances Control Act (TSCA) Inventory	Not Listed.
China Catalog of Hazardous chemicals 2015	Not Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Not Listed.
Vietnam National Chemical Inventory	Not Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)	Not Listed.
Korea Existing Chemicals List (KECL)	Not Listed.

16. Other Information

Abbreviations and acronyms

CAS: Chemical Abstracts Service
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
IMDG: International Maritime Dangerous Goods
IATA: International Air Transportation Association
TWA: Time Weighted Average
STEL: Short term exposure limit
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
EC50: Effective Concentration 50%

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

***** End of Report *****