wentronic

Material Safety Data Sheet

According to GB/T 16483-2008 & UN GHS 4.0 revision

Date created: 07/15/2015	Update: 07/15/2015	Revision No.: 1.0	
1. Chemicals and Identification			
1.1 products validation			
product name	Sn95.5Ag3.8Cu0.7/Sn95.8Ag3.5Cu0.7		
descriptions	lead-free solder		
identifying information	unknown		
1.2 recommended and restrictions on use			
1.2.1 recommended	soldering for electronic parts and components		
1.2.2 restrictions	unknown		
1.3 Supplier information			
Importer	Wentronic GmbH		
Address	Pillmannstraße 12, 38112 Braunschweig, Germany		
Mail box	info@wentronic.com		
TEL	+49 (0) 531 210 58-0		
FAX	+49 (0) 531 210 58-22		
1.4Emergency calls	+49 (0) 531 210 58-0		
	Hours of Operation: 8:30 am to 17:30 pm Monday to Fr	iday	

2. Hazards summarizing

2.1.1 GHS hazards classification

2.1 classification of substances and mixture

physical hazards	Unclassified	
health hazards	Inhalation hazard	category 1
	Airway sensitization	category 1B
environmental hazards	Unclassified	



Danger Inhalation and if swallowed May cause sensitization by skin contact Vapours may cause drowsiness and dizziness

Stay away from high temperature Far away from strong acid and alkali Don't inhale smoke and vapour

hazard statement

Warning words

2.2 Label element pictogram

Precautionary statement precautionary measure

	Washing hands thoroughly after handling.
	Don't eat and drink when soldering
	wear gloves/goggles/face guard.
accident response	After swallowing, induce vomiting if person is conscious, seek medical help.
	After skin contact, immediately wash with soap and rinse.
	After inhalation: supply fresh air, keep breathing smooth.
	Of fire, use dry chemical, carbon dioxide, sandy soil .
storage	Stored in dry shade
disposal	According to local regulations

3. composition information		
material or mixture:	mixture	
Composition:		
chemical name	CAS	(%) Content
tin	7440-31-5	>93
silver	7440-22-4	>3
copper	7440-50-8	0.5-0.9
rosin	65997-06-0	≤2.5

4. first-aid measures	
4.1 summarize	
inhalation	Supply fresh air, keep breathing smooth. If difficult in breath, oxygen; if respiratory
	arrest, artificial respiration then hospitalize.
skin contact	immediately wash with soap and rinse
eye contact	opened eye lip, Rinse under running water, see doctor.
ingestion	If person is conscious, induce vomiting, see medical help.
4.2 acute and late effects	Inhalation may damage respiratory tract
4.3 First-aid personnel protection	Let medical staffs know involved matter, to take measures to protect themselves.
4.4 Special tips for doctor	Provide general measures, according to the treatment of symptoms

5. fire-fighting measures

5.1 out-fire method and extinguishing agent	dry chemical, carbon dioxide, sandy soil
improper	Once-through water
5.2 special risk	Heated to break down, or under the condition of fire, will release carbon monoxide,
	carbon dioxide, aliphatic aldehydes.
6. Accidental release measure	
6.1 personal precautions	Ensure adequate ventilation, Avoiding contact with eye and skin, and inhalation
6.2 environmental precautions	Do not allow product to reach sewage or any water course
6.3 Leakage take in and cleaning method	No leak

6.4 Secondary hazard prevention measures No special advice.

7. handling and storage

7.1 handling	
technical measures	No special advice.
partial or full ventilation	Adequate ventilation
precautionary measures	Develop healthy habit, avoid contact with skin and eyes. Washing after handling,
	equipped personal protection device. Washing hands and avoiding inhalation.
operation instruction	Introduce personal protection from SDS part 8.
7.2 safe storage	
technical measures	Far away from fire source, strong acid and alkali
condition	Dry and cool space
should be away	strong acid and alkali
packing materials	no special advice

8. contact controls and personal protection	
8.1 contact controls	
8.1.1 allowed concentration	unknown
8.1.2 Eng control way	According to good industrial hygiene and safety practice, wash hands after handling or
	in break.
8.2 personal protection device	
respiratory system protection	Avoid inhalation of steam, please wear mask
eye protection	May flash or contact eyes, please wear glasses
skin and body protection	please wear anti-static overalls
sanitary measures	Before break and after handling washing hands immediately. Operation based on good
	industrial hygiene and safety practice.

9. physical and chemical properties	9. phy	sical and	d chemical	properties
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slivery solid
solid
solid wire
tasteless
unknown
217 / 227 °C
unknown
7.3g/cm ³ (20 °C)
insoluble in water

9.2 other dates

solubility	unknown
smell threshold value	unknown
evaporation rate	unknown
ignitability(solid, gas)	unknown
surface tension	unknown
light temperature	unknown
viscosity	unknown
molecular formula	unknown
molecular weight	Unknown

10. stability and reactivity10.1 stabilityUnder the condition of normal operation and storage stability10.2 The possibility of risk responseNo hazardous reaction under normal use10.3 should be avoidedHigh temperature10.4 incompatible substancesStrong acid/alkali10.5 harmful decomposition productsCarbonic oxide, carbon dioxide

11. toxicological information

11.1 Toxicokinetics, metabolism	unknown
and distribution	
11.2 toxicological information	
acute toxicity	
LD50: per oral, rat	10mg/kg (IUCLID)
LD50: per skin, hare	unknown
LC50: inhalation, rat	40000 ppm 4 hr. (RTECS)
skin irritation or corrosion	unclassified
eye irritation or corrosion	unclassified
respiration or skin sensibility	unclassified
germ cell mutagenicity	unclassified
carcinogenicity	unclassified
reproduction toxicity	unclassified
Specific target organ system toxicity-	unclassified
One-off contact	
Specific target organ system toxicity-	unclassified
Repeating contact	
inhalation risk	Unclassified

12. ecology information

12.1 ecotoxicity		
fish	unknown	
daphnia	unknown	

algae	unknown
12.2 durability and degradability	unknown
12.3 possible biological accumulation	unknown
12.4 mobility in soil	unknown
12.5 other harmful effects	unknown

13. abandon dispose	
13.1 residual waste	According to local regulation
13.2 polluted package	unknown
13.3 local disposal regulation	unknown

14. transport information			
	(ADR/RID)	(IMDG)	(ICAO/IATA)
	road transportation	ocean carriage	air transportation
UN dangerous cargos No.	unknown	unknown	unknown
UN carriage name	unknown	unknown	unknown
UN perniciousness classify	unknown	unknown	unknown
packing group	unknown	unknown	unknown
marine pollutant	no	no	no
Special precautionary measures	See 2.2	See 2.2	See 2.2

15. regulation information

15.1special regulation/legislation of safety, health and environmental for materials and mixtures

if recorded by chemical catalogues of other countries	
IECSC:	No recorded
EINECS:	No recorded
EPA TSCA:	No recorded
DSL/NDSL:	No recorded
GB12268-2012: hazardous articles list	No recorded

Below laws, regulations and standards, make relevant stipulation for safe handling, storage, transportation, loading and unloading,

classification and mark of chemicals.

the production safety law of the people's republic of china

the occupational disease prevention law of the people's republic of china

the environmental protection law of the people's republic of china

Hazardous chemical materials safety management regulation

Safety production license

15.2 Downstream consumption attention

Dispose should be accord with relevant law and regulation

16. other informations

16.1 change explain

According to standard GB/T16483-2008 < the chemical safety date sheet content and project order>, revised the former version SDS

16.2 training suggestion: No

16.3 detailed information

All information based on our current date, the SDS (the chemical safety date sheet) is only for this product.

16.4 reader attention

Owner of enterprise can only be used as beneficial supplement of other information obtained, and should be judged to this data properly. Be sure of moderate use for this product, guarantee health and safety of the workers. This data does not provide a guarantee, if there is any use behavior which violate this SDS or used with other products and programs, the consequence shall be borne by the users themselves.

16.5 abbr.

ADR:	About international transport of dangerous goods road European protocol
IMDG:	International maritime transport of dangerous goods rules.
EINECS:	European Inventory of Existing Chemical Substance
IATA:	International Air Transport Association
ICAO-TI:	ICAO) International Civil Aviation Organization
CAS:	Chemical abstracts No.
LC50:	lethal concentration 50%
EC50:	effect concentration 50%
LD50:	lethal dose of 50%

The materials safety date sheet written based on optimum information of security and proper usage. But we can't guarantee the timeliness and other express or hint information. To these data, our company do not bear any duty from the employ. The user should confirm the best information for their special usage after own research. Before use this product, every user should read this date carefully. If need more information for correct evaluation, please contact with our company.