



**SAFETY DATA SHEET**  
**Asahi Solid Solder Wire**  
**Sn99.5/Ag0.5**  
*SDS #: EAM3-11/3*  
*Date of Preparation: September 2025*

**SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

**1.1 Product Details:**

Product Name : Asahi Solid Solder Wire  
Trade Name : Asahi Solid Solder Wire Sn99.5/Ag0.5  
Use : Solder wire may be used for manual soldering or in repair and rework for electrical or electronic assemblies.

**1.2 Company's Identification:**

Manufacturer's Name and Address : Singapore Asahi Chemical & Solder Industries Pte Ltd  
47 Pandan Road  
Singapore 609288

Telephone : (65) 6262-1616  
Facsimile : (65) 6261-6311

**1.3 Contact Point:**

Designation : Chemist  
Emergency Telephone Number : (65) 6262-1616

**SECTION 2: HAZARD IDENTIFICATION**

**GHS classification**

Acute Toxicity - Oral : Classification 5

**GHS label elements**

Display Image or a Symbol : No display image

**GHS Signal Word**

: Warning

**GHS Hazard Statement**

: H303 May be harmful if swallowed.  
H333 May be harmful if inhaled.

**GHS Precautionary Statement:**

**Prevention**

P202 Do not handle until all safety precautions have been read and

understood.  
P260 Avoid inhaling dust.  
P264 Wash hands thoroughly after handling.

**Response**

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

**Storage**

P410 Protect from sunlight.

**Disposal**

P501 Dispose of contents or container to appropriate waste site in accordance with local and national regulations.

**Other Hazards which do not result in Classification** : Inhalation of soldering fumes may cause stimulation of throat and nose feeling sick.

**Effect on Environment** : No relevant information found.

**Physical and Hazardous Effect** : No relevant information found.

**SECTION 3: COMPOSITION/INFORMATION ON MATERIAL**

Chemical Name	CAS No.	%	OSHA PEL(mg/m <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )	Other Limits Recommended
Tin (Sn)	7440-31-5	99.5	2.0	2.0	
Silver (Ag)	7440-22-4	0.5	Dust/Fumes 0.1 Soluble Compounds 0.01	0.1  0.01	
<b>Total</b>		<b>100</b>			

**SECTION 4: FIRST AID MEASURES**

Ingestion : Seek medical attention.  
Eye Contact : Flush eyes with plenty of water immediately for at 15 minutes. Seek medical attention.  
Skin Contact : Wash thoroughly with soap and warm water.  
Inhalation : Evacuate to a safe area with fresh air.

**SECTION 5: FIRE-FIGHTING MEASURES**

Extinguishing Media : NA  
Fire Fighting Instructions : NA  
Special Hazards : NA  
Unusual Fire and Explosion Hazards : NA

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Leak/Spill : Place into properly labeled waste container and may be sent for recovery following appropriate recovery routes or methods.

## SECTION 7: HANDLING AND STORAGE

Handling : Wash hand thoroughly with soap and water prior to eating, drinking or smoking. Do not smoke while soldering. Avoid inhalation of vapors and contact with skin and eyes. Observe good industrial practices.

Storage : Store in a cool environment away from oxidizing agents.

## SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Engineering Measures : Maintain general or local exhaust ventilation to meet exposure limit requirements.

Personal Protection : Operator should be protected from soldering fumes

PROTECTIVE GLOVES : Impervious rubber

EYE PROTECTION : Safety glasses

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Metallic bright solid wire

Odor : No odor

Solubility in water: : NA

Boiling Point(°C) : 600°C

Melting Point(°C) : 230°C

Vapor Pressure(mm of Hg at 20°C) : NA

Vapour Density (air=1) : NA

Percentage Volatiles (by Volume) : NA

Volatile Organic Compound (VOC) : NA

Evaporation Rate (butyl acetate=1) : NA

Specific Gravity (water=1 at 25°C) : 7.31

Flash Point (°C) : NA

Auto-ignition Temperature(°C) : NA

## SECTION 10: PHYSICAL HAZARDS (STABILITY AND REACTIVITY)

Condition to avoid : Unknown.

Incompatibles : Oxidizing materials.

Decomposition products : Unknown.

Hazardous polymerization : Will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Carcinogenicity** : Not listed

**Reproductive Effect** : Not listed



**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**SECTION 16: OTHER INFORMATION**

THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF THE COMPANY'S KNOWLEDGE AND BELIEVED ACCURATE AND RELIABLE AS OF THE DATE INDICATED.

HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.

\*optional

NE = Not Established

NA = Not Applicable

PEL = Permissible Exposure Level