

SAFETY DATA SHEET

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Ref. No. : SDS—E-8-06A

Revised: July 18, 2019

1. Identification

Product name: Sumitube STS
 Supplier: Sumitomo Electric Interconnect Products, Inc.
 915 Armorlite Drive, San Marcos, CA 92069, U.S.A.
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Emergency Tel. No.: For subsidiary company
 Sumitomo Electric Fine Polymer, Inc. (SFP)
 950, 1-chome, Asashiro nishi, Kumatori-Cho, Sennan-Gun, Osaka, 590-0458, JAPAN
 (Tel) 072-452-7192, (Fax) 072-452-7195
 Sumitomo Electric Schrupf-Produkte GmbH
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 Sumi-Pac Corporation
 8th Fl. No.34, Chung Shann, North Road Section 3., Taipei 104, Taiwan R.O.C.
 (Tel) 2-2599-7382, (Fax) 2-2599-7377
 Sumitomo Electric Fine Polymer (Suzhou) Ltd.
 No.232 Jinfeng Road, Suzhou New District, Suzhou, Jiangsu, 215129 China
 (Tel) 512-8918-6680, (Fax) 512-8918-6686

Product Description:

2. Hazards Identification

Most important hazards: This product is a solder type heat-shrinkable shield termination. It's constructed pre-fluxed solder preform, meltable sealing inserts used PVdF material and insulation sleeve. The insulation sleeve is a radiation cross-linked, flame-retardant, heat-shrinkable tubing which is fabricated from a PVdF material. If this product was put under abnormal condition (over-heating and burning), harmful gas for individuals will be generated. However, under normal condition of processing and handling, this product is stable and no likelihood of exposure present.

3. Composition/ Information on Ingredients

Solder contains several metals,

Part Number Family		H-H Series	H-C Series	H-I Series	H-M Series H-ML Series H-MB Series	L-C Series	E-C Series
Name	CAS No.	%w/w	%w/w	%w/w	%w/w	%w/w	%w/w
Tin	7440-31-5	96%	63%	63%	63%	50%	42%
Lead	7439-92-1		37%	37%	37%	32%	
Silver	7440-22-4	4%					
Cadmium	7440-43-9					18%	
Bismuth	7440-69-9						58%

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4. First-Aid measures

Inhalation : If vapors from burning or overheated product are inhaled, provide fresh air. If the symptoms are not reduced, seek medical attention.

Skin contact: If heated device comes in contact with skin, remove the device immediately. If there is evidence of reddening or burning, seek medical attention.

Eye contact : If heated device comes in contact with the eyes, rinse thoroughly with water for at least 15 minutes and seek medical attention.

Ingestion : Seek medical attention.

5. Fire-Fighting Measures

Suitable extinguishing media: Water spray, dry powder, CO₂ foam

6. Accidental Release Measures

Personal precautions : Avoid contact with heated device. Gloves may be required to handle heated device. If overheated, avoid breathing fumes.

Environmental precaution : Install in a well- ventilated area.

Methods for cleaning up : Sweep up and place in disposal container.

7. Handling and Storage

Handling : No special handling is required.

Storage : Store devices in a cool dry area.

8. Exposure Controls/Personal Protection

Technical measures : Normal manufacturing environment.

Personal protection equipment : Under normal operation, not necessary.

Respiratory protection : Under normal operation, not necessary.

Hand protection : Gloves may be required to handle the product, when hot.

Eye protection : Use safety glasses with side shield or goggles to prevent contact with eyes, as appropriate to the given operation.

Other protection : Under normal operation, not necessary.

9. Physical and Chemical Properties

Form : Solid

Odor : Nearly odorless

Melting point /range :

Part Number Family		H-H Series	H-C Series	H-I Series	H-M Series H-ML Series H-MB Series	L-C Series	E-C Series
Sleeve base polymer Melt Temp [※]	°C	150	150	150	150	150	150
Solder Melt Temp	°C	221	181	181	181	145	138
Insert Melt Temp	°C	140	140	100	140	100	100

※Sleeve does not melt at the range over 150°C because it's cross-linked structure

Boiling point/range : Not applicable

Flash point : Not applicable

Ignition point : Not applicable

Explosive properties : Not applicable

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Vapor pressure : Not applicable
Specific gravity(23°C): Not applicable
Water solubility(23°C): 0.001% . max.

10. Stability and Reactivity

Stability : This product is self-extinguishable. But will be burned if continuously exposed to flame.
Material to avoid : Organic solvents and lubricating oils.
Hazardous decomposition products : None under normal conditions. If the product is overheated or burned, harmful vapors(e.g. carbon monoxide) may be generated.

11. Toxicological Information

Acute toxicity : Unknown
Skin : Not irritating, but the heated tubing has potential to cause thermal burn.
Eyes : If the tubing is overheated or burned, vapors may irritate eyes.
Inhalation : Harmful vapors produced by overheating or burning may cause irritation to the upper respiratory tract.
Ingestion : Not digestible.
Further information : During heating process of the product, slight plastic odor may cause discomfort for susceptible persons.

12. Ecological Information

Biodegradability : Unknown(No data)
Aquatic toxicity : Unknown(No data)
Further information : Unknown(No data)

13. Disposal Considerations

Product : Incinerate or bury in accordance with local and national regulations. Contact proper local authorities.
Contaminated packaging: Cardboard boxes can be delivered to local recycling facilities.

14. Transport Information

Not classified as dangerous with regard to the transport regulation.

15. Regulatory Information

EC Directive (RoHS): H-C, H-I , H-M, H-ML, H-MB and L-C series parts are non-RoHS compliant, solder contains lead or lead + cadmium.

California Proposition 65:
H-C, H-I , H-M, H-ML, H-MB and L-C series

 WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov

16. Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or property assurances. The information relates only to the specific material designed and may not be valid for such a material used in combination with any other materials or in any process, unless specified in this text.