

**SAFETY DATA SHEET**

Ref. No. : SDS-SEIP03718	Revised: March 7, 2018
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**1. Product identification**

Product name : Sumimark SM3-12, SM3-23, SM3-41  
 Figuration: Plastic tube (This product is an Article. This product is not a chemical Substance or Mixture.)  
 Recommended use of the product: Electrical insulation , etc.  
 Restrictions on use:  
 Supplier : 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  
 Emergency Tel. No.: For SFP subsidiary company  
 Sumitomo Electric Interconnect Products, Inc.  
 915 Armorlite Drive, San Marcos, CA 92069, U.S.A.  
 (Tel) 760-761-0600, (Fax) 760-761-0620  
 Sumitomo Electric Schruppf-Produkte GmbH  
 Oststrasse 89, D-22844 Norderstedt, Germany  
 (Tel) 40-526-5010, (Fax) 40-526-4808  
 Sumitomo Electric Fine Polymer (Suzhou) LTD.  
 NO.232 Jinfeng Road, Suzhou New District, Suzhou, Jiangsu, 215129  
 (Tel) 0512-8918-6680, (Fax) 0512-8918-6686  
 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

**2. Hazards identification**

## GHS classification

## Physical hazards:

1. Explosives . . . Not applicable
2. Flammable gases (including chemically unstable gases) . . . Not applicable
3. Aerosols . . . Not applicable
4. Oxidizing gases . . . Not applicable
5. Gases under pressure . . . Not applicable
6. Flammable liquids . . . Not applicable
7. Flammable solids . . . Not classified
8. Self-reactive substances and mixtures . . . Not applicable
9. Pyrophoric liquids . . . Not applicable
10. Pyrophoric solids . . . Not classified
11. Self-heating substances and mixtures . . . Not applicable
12. Substances and mixtures which, in contact with water, emit flammable gases . . . Not applicable
13. Oxidizing liquids . . . Not applicable
14. Oxidizing solids . . . Not classified
15. Organic peroxides . . . Not applicable
16. Corrosive to metals . . . Not classified

## Health hazards

1. Acute toxicity . . . No data
2. Skin corrosion/irritation . . . No data
3. Serious eye damage/eye irritation . . . No data
4. Respiratory or skin sensitization . . . No data
5. Germ cell mutagenicity . . . No data
6. Carcinogenicity . . . No data

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7. Reproductive toxicity . . . No data  
 8. Specific target organ toxicity-single exposure . . . No data  
 9. Specific target organ toxicity-repeated exposure . . . No data  
 10. Aspiration hazard . . . Not applicable

## Environmental hazards

1. Hazardous to the aquatic environment . . . No data  
 2. Hazardous to the ozone layer . . . No data

## Other hazards:

Most important hazards: If the product is overheated or burned, harmful vapors may be formed.  
 The heated product has the potential to cause thermal burns, if touched.

<Note> During heating process, a slight characteristic odor of plastic may be noticed. This odor is not harmful.

**3. Composition/ Information on ingredients**

Product type: Article

Composition:

Substance name	CAS No.	Rate(wt%)
Crosslinked polyolefin	-	> 60
Other	Confidential	< 40

**4. First aid measures**

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

Skin contact: If the heated product contacts skin, remove the product immediately. If there is evidence of reddening or burn, seek medical advice.

Eye contact : If the heated product contacts eyes, rinse thoroughly with plenty of water for at least 15 minutes and seek medical advice.

Ingestion : Seek medical advice.

**5. Fire-fighting measures**

Suitable extinguishing media: Water spray, dry powder, CO<sub>2</sub> foam

<Note> The product is flame-retarded(self-extinguish), but will burn, if continuously exposed to flame.

Use the extinguishing media appropriate for the source of the fire. The self-contained breathing apparatus and the personal protective equipment may be needed in the event of large fires.

Recommended extinguishing methods:

Fire extinguishing method that should be avoided:

Specific hazards:

Precautions for firefighters:

**6. Accidental release measures**

Personal precautions : Avoid contact with the heated product. Gloves may be required to handle the product, when hot. If overheated, avoid breathing fumes which may be emitted.

Environmental precaution : In common with all good industrial practice, install in well ventilated areas only.

Methods for cleaning up : Sweep up and dump in a disposal container.

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**7. Handling and storage**

Handling : No special handling advice required.  
 Storage : Store at room temperature in unopened packs to avoid direct sunlight.

**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 : Under normal operation, not necessary.  
 Other protection : Under normal operation, not necessary.

**9. Physical and chemical properties**

Appearance(physical state,color): Solid(Tubing) ,Black.  
 Upper/lower flammability or explosive limits: Not applicable  
 Odor: Slight characteristic plastic odor  
 Vapor pressure: Not applicable  
 Odor threshold: Not applicable  
 Vapor density: Not applicable  
 pH Not applicable  
 Relative density (Inner liner) 0.94 nominal  
 (Outer Jacket) 1.35 nominal

Melting point/range : The material has melting point, 95 ° C nominal, but outer jacket will not flow over the melting temperature due to the cross-linked structure.

Solubility(ies)

Initial boiling point and range: Not applicable  
 Flash point: Not applicable  
 Evaporation: Not applicable  
 Flammability(solid,gas): Not applicable  
 Partition coefficient:n-octanol/water: Not applicable  
 Auto-ignition temperature: Not applicable  
 Decomposition t temperature and: Not applicable  
 Viscosity: Not applicable  
 Pyrophoric gas . . . It does not occur under normal handling.

Asphyxiant . . . Not applicable

Flammable dust . . . It does not occur under normal handling.

**10. Stability and Reactivity**

Stability : Stable at normal conditions. Recommended max. operating temperature is 125 ° C.  
 Do not heat over 300 ° C to avoid harmful vapors which may be formed at high temperatures.

Material to avoid : None

Hazardous decomposition products : None under normal conditions. If the product is overheated or burned, harmful vapors(e.g. carbon monoxide and hydrogen halides) may be generated.

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**11. Toxicological information**

Acute toxicity: Unknown  
Skin : Not irritating, but the heated product has potential to cause thermal burn.  
Eyes : If the product 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 smell 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 and reels can be delivered to local recycling facilities.

**14. Transport information**

Not classified as dangerous with regard to the transport regulation.

**15. Regulatory information**

TSCA ··· Not applicable (By reason of article).

**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 a 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.