

Safety Data Sheet

1. Identification of the article and of the company

- Trade name: Fluorine Resin Tubes (FE Series)
 - Manufacturer/Supplier:
AOI CO., LTD. Development Dept.
757-1 Jinba, Gotenba-City, Shizuoka 412-0047 Japan
Phone:(+81) 550-98-5023 Fax:(+81) 550-98-5031
 - Further information obtainable from:
<http://www.aoi-inc.co.jp/>
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2. Composition/information on ingredients

- CAS No. Description: 25067-11-2 FEP
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3. Hazards identification

- GHS label elements: Void
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4. First-aid measures

- General information: Seek immediate medical advice.
 - After inhalation: Supply fresh air; consult doctor in case of complaints.
 - After skin contact:
After contact with the molten product, cool rapidly with cold water.
Immediately wash with water and soap and rinse thoroughly.
 - After eye contact: Rinse opened eye for several minutes under running water.
 - After swallowing: If symptoms persist consult doctor.
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5. Fire-fighting measures

- Suitable extinguishing agents:
CO2, powder or water spray.
Fight larger fires with water spray or alcohol resistant foam.
 - For safety reasons unsuitable extinguishing agents: none
 - Special hazards caused by the substance, its products of combustion or resulting gases:
Formation of toxic gases is possible during heating or in case of fire.
 - Protective equipment: Wear fully protective suit.
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6. Accidental release measures

- Person-related safety precautions: Wear protective clothing.
 - Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.
 - Measures for cleaning/collecting: Pick up mechanically.
 - Additional information: No dangerous substances are released.
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7. Handling and storage

Handling:

- Information for safe handling:
Extractors are required on all machines used for thermal processing or splinter removal processes.
- Information about fire - and explosion protection: No special measures required.

Storage:

- Requirements to be met by storerooms and receptacles: No special requirements.
 - Information about storage in one common storage facility: Not required.
 - Further information about storage conditions: Protect from contamination.
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8. Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
 - Ingredients with limit values that require monitoring at the workplace: Not required.
 - Additional information: The lists valid during the making were used as basis.
 - Personal protective equipment:
 - General protective and hygienic measures:
Wash hands before breaks and at the end of work.
Keep away from tobacco products.
 - Respiratory protection:
For conditions where exist a potential for significant exposure to fumes and/or toxic vapours use a full-face-mask with the acid and organic vapor cartridges.
 - Protection of hands: Synthetic rubber gloves
 - Eye protection: Safety glasses
 - Body protection: Protective work clothing
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9. Physical and chemical properties

- General Information
Form: Tubes
Colour: Transparent
Odour: Odourless
 - Change in condition
Melting point/Melting range: 245-275 °C
Boiling point/Boiling range: Undetermined.
 - Flash point: Not applicable.
 - Flammability (solid, gaseous): Product is not flammable.
 - Decomposition temperature: 398 °C (0.1%TG)
 - Danger of explosion: Product does not present an explosion hazard.
 - Density at 25 °C: 2,12-2,17 g/cm³
 - Solubility in / Miscibility with water: Insoluble.
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10. Stability and reactivity

- Thermal decomposition / conditions to be avoided:
To avoid thermal decomposition do not overheat.
Even at the temperatures reached during the normal hot processing of fluoropolymers fume will be generated, that will present a potential health hazard.
 - Dangerous reactions: No dangerous reactions known.
 - Dangerous decomposition products: Danger of toxic fluorine based pyrolysis products.
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11.Toxicological information

- Acute toxicity:
 - Primary irritant effect:
 - on the skin: No irritant effect known.
 - on the eye: No irritant effect known.
 - Sensitization: No sensitizing effects known.
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12.Ecological information

- Information about elimination (persistence and degradability):
 - Other information:
 - The product is insoluble in water and the biodegradation and ecotoxicity is expected to be low.
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13.Disposal considerations

Product:

- Recommendation: Disposal must be made according to official regulations.

Uncleaned packaging:

- Recommendation: Disposal must be made according to official regulations.
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14. Transport information

- UN "Model Regulation": -
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15. Regulatory information

- Safety phrases:
 - 15 Keep away from heat.
 - 21 When using do not smoke.
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16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)
