

# Material Safety Data Sheet

## Section 01. Identification of the substance/mixture and the company/undertaking

Product Name: Flame Retardant TPD-FR649  
Use of product: Used as flame retardant for PC.  
Company details:  
Manufacturer/Supplier: Fuzhou Topda New Material Co., Ltd  
Address: 17-16, C3# Building, Cangshan Wanda Plaza, 216 Pushang Avenue,  
Fuzhou  
Telephone number: +86-591-86396155  
Fax number: +86-591-86396155  
Emergency telephone number: +86-591-15859107755  
Email: [contact@fluorochemie.com](mailto:contact@fluorochemie.com)

## Section 02. Composition/information on ingredients

Chemical Name	CAS No.	Concentration
Sodium Dodecyl Diphenyl Ether Disulfonate	119345-04-9	98.5%
Nano Silicon Dioxide	7631-86-9	1.5%

## Section 03. Hazards identification

A white crystalline solid. No significant fire, explosion, or health hazards.

## Section 04. First aid measures

### After ingestion:

Effects unknown. If swallowed, get trained medical help immediately.

### After inhalation:

In the event of overexposure immediately move the exposed person to fresh air. If they are not breathing give artificial respiration. If breathing appears difficult give oxygen. Call for trained medical help immediately.

### After skin contact:

If skin contact with hot material: DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Immediately flush affected area with plenty of cold water and cover with a clean dressing. Have burn treated by a physician.

### After eye contact:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

**Section 05. Fire-fighting measures**

**Flash point:** 925°F (496°C)

**Flammable limits (air % by vol.):**

- a. Lower explosive limit: not established
- b. Upper explosive limit: not established

**Autoignition:** not established

**Extinguishing media:**

Dry chemical, carbon dioxide, water fog, regular foam.

**Fire and Explosion:**

No significant hazards. Decompose at 950°F. Vapors are toxic.

**Fire Fighting Instructions:**

Use self-contained positive pressure breathing apparatus and full fire-fighting equipment.

Approach fire from upwind.

**Section 06. Accidental release measures**

Wear adequate personal protection while working with spill.

**Section 07. Handling and Storage**

**Precautions for Safe Storage:** Not applicable.

**Explosion Prevention:** Non-flammable.

**Precautions for Safe Handling:** Store work clothes separately from other combustible materials.

**Section 08. Exposure controls/personal protection**

Handle in a well-ventilated area.

The PEL for nuisance dust is 15mg/m<sup>3</sup> for total dust and 5mg/m<sup>3</sup> for respirable fraction; ventilation capable of maintaining exposures below this level is recommended. The use of eye protection and rubber gloves is recommended.

**Section 09. Physical and chemical properties**

**Form:** Solid

**Color:** white

**Odor:** odorless

**Odor threshold (ppm):** Not applicable

**pH(value):** 7

**Boiling point (°C):** Not applicable

**Melting point (°C):** Not applicable

**Vapor pressure (Pa):** Not applicable

**Bulk Density:** 0.2kg/L

**Vapour density:** Not applicable

**Solubility (water):** 20g/100ml at 25°C

**Flash point:** Not applicable  
**Autoflammability :** None  
**Volatile organic compounds:** Not applicable  
**Evaporation rate:** Not applicable  
**Viscosity:** Not applicable  
**Percent volatile:** Not applicable  
**Decomposition temperature (°C):** Not available

**Section 10. Stability and reactivity**

Materials to Avoid: Stable, keep away from strong oxidizers.

**Section 11. Toxicological properties**

No LD50's have been established.  
No TLV's or PEL's have been established.

**Section 12. Ecological information**

**Biodegradability:** No data  
**Bioaccumulation (log pow):** No data  
**Fish toxicity:** No data  
Adverse effects would not be expected.

**Section 13. Disposal considerations**

Upon disposal Potassium Diphenylsulfonesulfonate has no CERCLA reportable quantities or RCRA hazardous waste codes. Recycle or dispose of in accordance with Federal, State, and Local regulations. Please note that this information is for this material in its original form. Any alterations made to this material can void this information.

**Section 14. Transport information**

<b>Proper shipping name:</b>	Not a DOT regulated material
<b>Hazard class:</b>	None
<b>UN no.:</b>	Not applicable
<b>DOT/IMO label:</b>	Not required
<b>Special provisions:</b>	None
<b>Packaging:</b>	a. Group: Not applicable b. authorization: Not applicable
<b>Exceptions:</b>	Not applicable
<b>Quantity limitations:</b>	Not applicable

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<b>a. passenger, aircraft or rail:</b>	Not applicable
<b>b. cargo only, aircraft:</b>	Not applicable
<b>Storage provisions:</b>	Not applicable

**Section 15. Regulatory information**

TSCA STATUS: On TSCA Inventory CERCLA

RQ: None

SARA TITLE III: None

Section 302 TPQ: Not applicable

Section 304 EHS: Not applicable

Section 311/312: Not applicable

Section 313: Not applicable

RCRA WASTE NUMBER: None

California Proposition 65: No

WHIMS: No

**Section 16. Other information**

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.