

# Organic Fluorine Electret Powder TPD-53

Version No:2.0

SDS202003111359

Issue Date: 03/11/2020

Revision Date: 20/03/2020

Safety Data Sheet(Conforms to Regulation(EU) No 2015/830)



## Section 1. Identification of the substance/mixture and the company/undertaking

### 1.1. Product Identifier

**Product Name:** Organic Fluorine Electret Powder TPD-53

**Other means of identification:** Not Available

**CAS number:** 9002-84-0 For Electret Masterbatch, Polymer PP , Inks, Coatings etc

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses:** For Electret Masterbatch, Polymer PP , Inks, Coatings etc

**Uses advised against:** Not Applicable

### 1.3. Details of the supplier of the safety data sheet

<b>Supplier Name</b>	Fuzhou Topda New Material Co., Ltd
<b>Address</b>	17-16, C3# Building, Cangshan Wanda Plaza, 216 Pushang Avenue, Fuzhou China
<b>Telephone</b>	+86-591-86396155
<b>Fax</b>	+86-591-86396155
<b>Emergency telephone</b>	+86-15859107755
<b>Email</b>	<a href="mailto:contact@fluorochemie.com">contact@fluorochemie.com</a>

## Section 2. Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to regulation(EC) No 1272/2008[CLP]	Not classified
--	----------------

### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) : None

Signal word (CLP) : None

Hazard statements (CLP) : None.

Precautionary statements (CLP) : None.

### 2.3. Other Hazards

Other hazards not contributing to the classification : No information available.

## Section 3. Composition/Information on ingredients

### 3.1. Substances

No known hazards under applicable

Name	Product identifier	%[Weight]	Classification according to regulation(EC) No 1272/2008[CLP]
PTFE	(CAS-No.) 9002-84-0	100	Non-hazardous / Not classified

## Section 4. First aid measures

### 4.1. Description of First Aid Measures

<b>First-aid measures general :</b>	Call a poison center or a doctor if you feel unwell.
<b>First-aid measures after inhalation :</b>	Remove person to fresh air and keep comfortable for breathing.
<b>First-aid measures after skin contact :</b>	Wash skin with plenty of water. Remove contaminated clothing and shoes. If skin irritation occurs: Get medical advice/attention.
<b>First-aid measures after eye contact :</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>First-aid measures after ingestion :</b>	Rinse mouth out with water. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms/effects :** No information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

Use extinguishing media appropriate for surrounding fire

### 5.2. Special hazards arising from the substrate or mixture

**Hazardous decomposition products in case of fire :** Toxic fumes may be released. Carbon oxides (CO, CO<sub>2</sub>).

### 5.3. Advice for firefighters

**Protection during firefighting:** Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## Section 06. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

**Emergency procedures :** Ventilate spillage area.

#### 6.1.2. For emergency responders

**Protective equipment :** Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up :** Stop leak if without risk, Absorb remaining liquid with sand or inert absorbent and remove to safe place. Finish cleaning by spreading water on the contaminated surface and dispose of waste according to local and regional authority requirements.

**Other information :** Dispose of materials or solid residues

### 6.4. Reference to other sections

For further information refer to section 13.

## Section 7. Handling and Storage

### 7.1. Precautions for safe handling

**Precautions for safe handling :** Ensure good ventilation of the work station. Avoid creating or spreading dust. Avoid ignition sources.

**Hygiene measures :** Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions :** Store in a well-ventilated place. Keep cool. Keep away from ignition sources.

### 7.3. Specific end use(s)

No additional information available.

## Section 8. Exposure controls/personal protection

### 8.1. Control parameters

Ethene, homopolymer (9002-88-4)		
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (dust)
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (dust)
Germany	TRGS 910 Acceptable concentration notes	

Latvia	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (dust)
Lithuania	IPRV (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (dust)
FT Wax		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	4.56 mg/kg bw/day	
Long-term - systemic effects, inhalation	16.1 mg/m <sup>3</sup>	
FT Wax		
DNEL/DMEL (General population)		
Long-term - systemic effects, oral	2.29 mg/kg bw/day	
Long-term - systemic effects, inhalation	3.97 mg/m <sup>3</sup>	
Long-term - systemic effects, dermal	2.29 mg/kg bw/day	
PNEC (Water)		
PNEC aqua (freshwater)	50.55 µg/L	
PNEC aqua (marine water)	5.055 µg/L	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.854 mg/kg dwt	
PNEC sediment (marine water)	0.085 mg/kg dwt	
PNEC (Soil)		
PNEC (STP)	0.218 mg/kg dwt	
PNEC sewage treatment plant	80 mg/l	

## 8.2. Exposure controls

### Appropriate engineering controls:

Ensure good ventilation of the work station.

**Hand protection:** protective gloves

**Eye protection:** Safety glasses

**Skin and body protection:** Wear suitable protective clothing, long sleeve shirt is recommended.

**Respiratory protection:** [In case of inadequate ventilation] wear respiratory protection.

### Environmental exposure controls:

Avoid release to the environment.

## Section 09. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Solid	Relative vapour density at 20 °C	Not available
Colour	White or other colours	Specific Gravity	2.19 -2.21 g/cm <sup>3</sup>
Odour	Odourless	Solubility	Insoluble
Odour threshold	Not available		

pH(as supplied )	Not Available	Log Pow	Not Available
Relative evaporation rate (butylacetate=1)	Not Available		
Melting point/freezing point(°C)	315 -345 °C	Viscosity, kinematic	Not Available
Initial boiling point and boiling range(°C)	>300	Viscosity, dynamic	Not Available
Flash Point(°C)	245 (Cleveland Open Cup) >110 (Closed Cup)	Explosive properties	Not Available
Freezing point	Not applicable		
Boiling point	Not applicable	Oxidising properties	Not Available
Flash point	Not Available	Explosive limits	Not applicable
Auto-ignition temperature	Not applicable		
Decomposition temperature	Not Available		
Flammability (solid, gas)	Non flammable		
Vapour pressure	Not Available		

## 9.2. Other information

Not Available

## Section 10. Stability and reactivity

### 10.1. Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability:

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions:

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid:

High temperature. Open flame.

### 10.5. Incompatible materials:

No information available.

### 10.6. Hazardous decomposition products:

Thermal decomposition may produce : Carbon oxides (CO, CO<sub>2</sub>).

## Section 11. Toxicological properties

### 11.1. Information on toxicological effects

**Acute toxicity (oral) :** Not classified  
**Acute toxicity (dermal) :** Not classified  
**Acute toxicity (inhalation) :** Not classified

Water (7732-18-5)	
LD50 oral rat	> 90 ml/kg
Ethene, homopolymer (9002-88-4)	
LD50 oral rat	> 2000 mg/kg
Alcohols, C12-14, ethoxylated (68439-50-9)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat	> 1.6 mg/L/4h air

**Skin corrosion/irritation :** Not classified  
**Serious eye damage/irritation :** Not classified  
**Respiratory or skin sensitisation :** Not classified  
**Germ cell mutagenicity :** Not classified  
**Carcinogenicity :** Not classified

Ethene, homopolymer (9002-88-4)	
IARC group	3 - Not classifiable

**Reproductive toxicity :** Not classified  
**STOT-single exposure :** Not classified  
**STOT-repeated exposure :** Not classified  
**Aspiration hazard :** Not classified

## Section 12. Ecological information

### 12.1. Toxicity

Ecology – general:	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity:	Not classified
Chronic aquatic toxicity:	Not classified

### 12.2. Other adverse effects

Material from spills and other generated waste must be disposed of properly in conformance with all local, state and federal laws.

## Section 13. Disposal considerations

### 13.1. Waste treatment methods

This material is not a RCRA hazardous waste material. Follow local regulatory laws for proper disposal.

<b>Section 14. Transport information</b>
--

In accordance with ADR / RID / IMDG / IATA / AND

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

**14.6. Special precautions for user**

**Overland transport**

Not applicable

**Transport by sea**

Not applicable

**Air transport**

Not applicable

**Inland waterway transport**

Not applicable

**Rail transport**

Not applicable

<b>Section 15. Regulatory information</b>
---

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**RCRA:** This material is not a RCRA hazardous waste.

**SARA:** Sections 311 and 312: Not applicable, Section 313: None.

**TSCA:** This product, or its ingredients as a mixture, appears on the toxic substance control act inventory.

**WHMIS:** This is not a controlled material as defined by the Canadian Hazardous Product Act (Bill C70)

**15.2. Chemical safety assessment**

A chemical safety assessment has been carried out.

## Section 16. Other information

### Full text Risk and Hazard codes

**Aquatic Acute 1:** Hazardous to the aquatic environment — Acute Hazard, Category 1

**Aquatic Chronic 3:** Hazardous to the aquatic environment — Chronic Hazard, Category 3

**H400:** Very toxic to aquatic life.

**H412:** Harmful to aquatic life with long lasting effects.

### Other information

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 166 Personal eye-protection

EN 340 Protective clothing

EN 374 Protective gloves against chemicals and micro-organisms

EN 13832 Footwear protecting against chemicals

EN 133 Respiratory protective devices

### Definitions and abbreviations

ADN European : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

Data sources : LOLI. ECHA reference.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.