



## Material Safety Data Sheet

### 1. Identification of the substance/preparation and of the company/undertaking

#### .Product details

.Trade name: PTFE, Polytetrafluoroethylene

.Applications of the substance: paints, inks, lubricants, etc

.Product code: PTFE

#### .Supplier details:

Anhui Fitech Material Co.,Ltd

ADD: National Innovation Industrial Base Huguang Road, Shushan District, Hefei, Anhui, China.

Email:info@fitechchem.com

T:+86-551-65566870

F:+86-551-65566870

### 2. Composition/information on ingredients

#### .Chemical characterization

Chemical Name	CAS:	Composition (in % by weight)
1. Polytetrafluoroethylene	9002-84-0	>99.9

### 3. Hazards identification

#### Health danger:

Inhalation of decomposition products from processing conditions or from smoking fluoropolymer contaminated tobacco may cause a temporary flu-like illness known as “polymer-fume fever” .

**Chronic effects:** None

## 4. First aid measures

### **.After ingestion:**

Don't occur under normal use. If so, Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

### **.After inhalation:**

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

### **.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.

## 5. Fire-fighting measures

**.Dangerous property:** Nonflammable

**.General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases

may be generated by thermal decomposition or combustion.

### **.Suitable extinguishing agents:**

Use water spray, dry chemical, carbon dioxide, or chemical foam.

## 6 .Accidental release measures

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

Wear appropriate personal protective equipment (See Section 8).

## 7. Handling and storage

**.Handling attention:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**.Storage attention:** Store in a cool, dry place. Keep container closed when not in use.

## 8. Exposure controls/personal protection

**.Engineering Controls:** Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

**.Respiratory Protection:** Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

**.Skin Protection:** Wear appropriate protective clothing to minimize contact with skin.

**.Eyes Protection:** Wear safety glasses and chemical goggles if splashing is possible.

## 9. Physical and chemical properties

### General Information

Appearance:	Powder
Color:	White
Odor:	Odorless

### Change in condition

Melting point/Melting range:	$327 \pm 5\text{C}$
Boiling point/Boiling range:	Not applicable

**Flash point:** Not applicable

**Self-igniting:** Not happen

**Density:** Bulk density 600-900 kg/m<sup>3</sup>

**Relative density:** 2.17 kg/l

**Vapor density:** Not applicable

**Evaporation rate:** Not applicable

**Solubility in Water or others:** Insoluble in water

**PH-Value:** Not applicable

**Terminal uses:** Used for paints, inks etc

## 10. Stability and reactivity

**.Stability:** Stable under ordinary conditions of use and storage.

**.Conditions to Avoid:** Incompatible materials, strong oxidants.

**.Hazardous Decomposition:** Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, hydrogen fluoride gas.

**.Hazardous Polymerization:** Has not been reported.

**.Materials to avoid:** Strong oxidizing agents

## 11. Toxicological information

**.Please refers to section 3 for hazards identification.**

**.Acute toxicity data:**

LD50/LC50: No data.

**.Chronic toxicity data:** Not found

**.Carcinogenicity:** POLY(TETRAFLUOROETHYLENE) - IARC: Group 3 (not classifiable)

## 12. Ecological information

Not available

## 13. Disposal considerations

**.Waste Disposal Methods:** Recycle, reclaim and dispose of in compliance with local government regulations.

## 14 .Transport information

The information provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transport.

**DOT PROPER SHIPPING NAME:** Not defined as a hazardous material

## 15. Regulatory information

European/International Regulations

European Labeling in Accordance with EC Directives

**.Safety phrases:**

S24/25: Avoid contact with skin and eyes

**.Risk phrases:**

No data

For detailed regulations you should contact the appropriate agency in your country.

## 16. Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Anhui Fitech Material Co.,Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

\*\*\*\*\*The End\*\*\*\*\*

FITECH