

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Everflon™ PFA Fluoroplastic Resin P420

- **Version:** 1.0
- **Revision Date:** 09/29/2026
- **SDS Number:** EF-PFA-P420-0001

SECTION 1. IDENTIFICATION

- **Product name:** Everflon™ PFA Fluoroplastic Resin P420
- **Product code:** P420
- **SDS-Identcode:** EF-SDS-PFA-P420

Manufacturer or supplier's details

- **Company name of supplier:** Wuhan Everflon Fluoropolymers Co.,Ltd.
- **Address:** Wuhan, Hubei Province, China
- **Telephone:** 0086-185-7168-9228
- **Emergency telephone:** 0086-185-7168-9228 (24 hours)

Recommended use of the chemical and restrictions on use

- **Recommended use:** Resin for moulding and/or extrusion
- **Restrictions on use:** For industrial use only.
Do not use or resell Everflon™ materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless agreed to by Seller in a written agreement covering such use. For further information, please contact your Everflon representative.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

- **Hazards for the product as supplied:** Not a hazardous substance or mixture.

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Other hazards

- The thermal decomposition vapors of fluorinated plastics may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.

- Dust contact with the eyes can lead to mechanical irritation.
- Contact with dust can cause mechanical irritation or drying of the skin.

Hazards resulting from a reaction with other chemicals under normal conditions of use:

Conditions	Chemicals formed	Hazards
Thermal decomposition at elevated temperatures	Vapors of fluorinated plastics	May cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.
Thermal decomposition at elevated temperatures	Refer to Section 10 for list of hazardous decomposition products	Hazardous decomposition products will be formed at elevated temperatures.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

- **Substance / Mixture:** Substance
- **Substance name:** Poly(Heptafluoropropyl Trifluorovinyl Ether/Tetrafluoroethylene)
- **CAS-No.:** 26655-00-5

Components

No hazardous ingredients according to 29 CFR 1910.1200.

SECTION 4. FIRST AID MEASURES

- **General advice:** In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
- **If inhaled:** If inhaled, remove to fresh air. Get medical attention if symptoms occur.
- **In case of skin contact:** Wash with water and soap. Get medical attention if symptoms occur. If molten polymer contacts the skin, cool immediately with cold water; do not peel polymer from skin. Get immediate medical attention.
- **In case of eye contact:** If in eyes, rinse well with water. Get medical attention if irritation develops and persists.

- **If swallowed:** If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
- **Most important symptoms and effects, both acute and delayed:**
 - Polymer fume fever
 - Contact with dust can cause mechanical irritation or drying of the skin.
 - Dust contact with the eyes can lead to mechanical irritation.
- **Protection of first-aiders:** No special precautions are necessary for first aid responders.
- **Notes to physician:** Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

- **Suitable extinguishing media:** Water spray, Alcohol-resistant foam, Carbon dioxide (CO₂), Dry chemical.
- **Unsuitable extinguishing media:** None known.
- **Specific hazards during fire fighting:** Exposure to combustion products may be a hazard to health.
- **Hazardous combustion products:**
 - Hydrogen fluoride
 - Carbonyl fluoride
 - Potentially toxic fluorinated compounds
 - Aerosolized particulates
 - Carbon oxides (CO, CO₂)
- **Specific extinguishing methods:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
- **Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures:** Follow safe handling advice (see Section 7) and personal protective equipment recommendations (see Section 8).
- **Environmental precautions:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
- **Methods and materials for containment and cleaning up:** Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Local or national regulations may apply to releases and disposal of this material, as well as those

materials and items employed in the cleanup of releases.

SECTION 7. HANDLING AND STORAGE

- **Technical measures:** See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- **Local/Total ventilation:** Use only with adequate ventilation.
- **Advice on safe handling:** Do not breathe dust. Do not breathe decomposition products. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment. Minimize dust generation and accumulation. Keep container closed when not in use. Take care to prevent spills, waste and minimize release to the environment.
- **Conditions for safe storage:** Keep in properly labeled containers. Store in accordance with the particular national regulations.
- **Materials to avoid:** Do not store with the following product types: Strong oxidizing agents.
- **Further information on storage stability:** Stable under recommended storage conditions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Component	Value type (Form of exposure)	Control parameters	Basis
Inert or nuisance dust	TWA (total dust)	50 Million particles per cubic foot	OSHA Z-3
	TWA (total dust)	15mg/m ³	OSHA Z-3
	TWA (respirable fraction)	5mg/m ³	OSHA Z-3
	TWA (respirable fraction)	15 Million particles per cubic foot	OSHA Z-3
Dust, nuisance dust and	PEL (Total dust)	10mg/m ³	CAL PEL

particulates			
	PEL (respirable dust fraction)	5mg/m ³	CAL PEL

Contains no substances with occupational exposure limit values.

Occupational exposure limits of decomposition products

Component s	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Hydrogen fluoride	7664-39-3	TWA	0.5ppm(Fluorine)	ACGIH
		C	2ppm(Fluorine)	ACGIH
		TWA	3\text{ ppm}	OSHA Z-2
		C	6ppm(5mg/m ³)	NIOSH REL
		TWA	3ppm(2.5mg/m ³)	NIOSH REL
Carbonyl difluoride	353-50-4	TWA	2\text{ ppm}	ACGIH
		STEL	5\text{ ppm}	ACGIH
		TWA	2ppm(5mg/m ³)	NIOSH REL
		ST	5ppm(15mg/m ³)	NIOSH REL
		TWA	2.5mg/m ³	OSHA Z-1

			(Fluorine)	
Carbon dioxide	124-38-9	TWA	5,000\text{ppm}	ACGIH
		STEL	30,000\text{ppm}	ACGIH
		TWA	5,000ppm(9,000mg/m ³)	NIOSH REL
		ST	30,000ppm(54,000mg/m ³)	NIOSH REL
		TWA	5,000ppm(9,000mg/m ³)	OSHA Z-1
Carbon monoxide	630-08-0	TWA	25\text{ppm}	ACGIH
		TWA	35ppm(40mg/m ³)	NIOSH REL
		C	200ppm(229mg/m ³)	NIOSH REL
		TWA	50ppm(55mg/m ³)	OSHA Z-1

Engineering measures

- Processing may form hazardous compounds (see Section 10).
- Ensure adequate ventilation, especially in confined areas.
- Minimize workplace exposure concentrations.
- Ensure that dust-handling systems are designed in a manner to prevent the escape of dust into the work area.
- General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits.

Personal protective equipment

- **Respiratory protection:** General and local exhaust ventilation is recommended. Where concentrations are above recommended limits or are unknown,

appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

- **Hand protection:**
 - *Material:* Heat resistant gloves.
 - *Remarks:* Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Wash hands before breaks and at the end of workday.
- **Eye protection:** Wear safety goggles.
- **Skin and body protection:** Skin should be washed after contact.
- **Hygiene measures:** If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Powder / Pellets
- **Color:** White
- **Odor:** Odorless
- **Odor Threshold:** No data available
- **pH:** No data available
- **Melting point/freezing point:** $> 572\text{\textdegree F}$ ($> 300\text{\textdegree C}$)
- **Initial boiling point and boiling range:** No data available
- **Flash point:** Not applicable
- **Evaporation rate:** Not applicable
- **Flammability (solid, gas):** Not classified as a flammability hazard, Not expected to form explosive dust-air mixtures.
- **Upper / Lower explosion limit:** No data available
- **Vapor pressure:** Not applicable
- **Relative vapor density:** Not applicable
- **Density:** 2.1 - 2.2g/cm³
- **Solubility(ies) (Water solubility):** Insoluble
- **Partition coefficient: n-octanol/water:** No data available
- **Autoignition temperature:** No data available
- **Decomposition temperature:** No data available
- **Viscosity (kinematic):** Not applicable
- **Explosive properties:** Not explosive
- **Oxidizing properties:** The substance or mixture is not classified as oxidizing.
- **Particle characteristics (size):** No data available

SECTION 10. STABILITY AND REACTIVITY

- **Reactivity:** Not classified as a reactivity hazard.

- **Chemical stability:** Stable under normal conditions.
- **Possibility of hazardous reactions:** Can react with strong oxidizing agents. Hazardous decomposition products will be formed at elevated temperatures.
- **Conditions to avoid:** None known.
- **Incompatible materials:** Oxidizing agents.
- **Hazardous decomposition products (Thermal decomposition):**
 - Hydrogen fluoride
 - Carbonyl difluoride
 - Carbon dioxide
 - Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

- **Information on likely routes of exposure:** Inhalation, Skin contact, Ingestion, Eye contact.
- **Acute toxicity:** Not classified based on available information.
- **Skin corrosion/irritation:** Not classified based on available information.
- **Serious eye damage/eye irritation:** Not classified based on available information.
- **Respiratory or skin sensitization:**
 - Skin sensitization: Not classified based on available information.
 - Respiratory sensitization: Not classified based on available information.
- **Germ cell mutagenicity:** Not classified based on available information.
- **Carcinogenicity:** Not classified based on available information.
 - **IARC:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
 - **OSHA:** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
 - **NTP:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- **Reproductive toxicity:** Not classified based on available information.
- **STOT-single exposure:** Not classified based on available information.
- **STOT-repeated exposure:** Not classified based on available information.
- **Aspiration toxicity:** Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

- **Ecotoxicity:** No data available
- **Persistence and degradability:** No data available
- **Bioaccumulative potential:** No data available
- **Mobility in soil:** No data available
- **Other adverse effects:** No data available

SECTION 13. DISPOSAL CONSIDERATIONS

- **Waste from residues:** Dispose of in accordance with local regulations. Do not dispose of waste into sewer.
- **Contaminated packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

- **UNRTDG:** Not regulated as a dangerous good
- **IATA-DGR:** Not regulated as a dangerous good
- **IMDG-Code:** Not regulated as a dangerous good
- **Transport in bulk according to IMO instruments:** Not applicable for product as supplied.

Domestic regulation

- **49 CFR:** Not regulated as a dangerous good
- **Special precautions for user:** Not applicable

SECTION 15. REGULATORY INFORMATION

- **CERCLA Reportable Quantity:** This material does not contain any components with a CERCLA RQ.
- **SARA 304 Extremely Hazardous Substances Reportable Quantity:** This material does not contain any components with a section 304 EHS RQ.
- **SARA 302 Extremely Hazardous Substances Threshold Planning Quantity:** This material does not contain any components with a section 302 EHS TPQ.
- **SARA 311/312 Hazards:** No SARA Hazards.
- **SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

- **Pennsylvania Right To Know:** Poly(Heptafluoropropyl Trifluorovinyl Ether/Tetrafluoroethylene) (CAS-No. 26655-00-5)
- **California Prop. 65:** WARNING: This product can expose you to chemicals including Carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. Note to User: This product is not made with PFOA nor is PFOA intentionally present in the product; however, it is possible that PFOA may

be present as an impurity at background (environmental) levels.

SECTION 16. OTHER INFORMATION

NFPA 704 & HMIS® IV

Metric	NFPA 704 Rating	HMIS® IV Rating
Health	0	0
Flammability	1	1
Instability / Physical Hazard	0	0
Special Hazard / Chronic	None	/

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "/" represents the absence of a chronic hazard.

Full text of other abbreviations

- **ACGIH:** USA. ACGIH Threshold Limit Values (TLV)
- **CAL PEL:** California permissible exposure limits for chemical contaminants (Title 8, Article 107)
- **NIOSH REL:** USA. NIOSH Recommended Exposure Limits
- **OSHA Z-1:** USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
- **OSHA Z-2:** USA. Occupational Exposure Limits (OSHA) - Table Z-2
- **OSHA Z-3:** USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
- **ACGIH / TWA:** 8-hour, time-weighted average
- **ACGIH / STEL:** Short-term exposure limit
- **ACGIH / C:** Ceiling limit
- **CAL PEL / PEL:** Permissible exposure limit
- **NIOSH REL / TWA:** Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
- **NIOSH REL / ST:** STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
- **NIOSH REL / C:** Ceiling value not to be exceeded at any time
- **OSHA Z-1 / TWA:** 8-hour time-weighted average
- **OSHA Z-2 / TWA:** 8-hour time-weighted average
- **OSHA Z-3 / TWA:** 8-hour time-weighted average

Disclaimer

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

Wuhan Everflon Fluoropolymers Co.,Ltd.

Edit directly or with Gemini

Click anywhere to type and edit directly, or select text to prompt Gemini for changes.

The English SDS for **Everflon™ PFA Fluoroplastic Resin P420** has been generated, incorporating the specific PFA polymer data (CAS 26655-00-5, density 2.1-2.2g/cm³, melting point > 300 °C), the updated company name (**Wuhan Everflon Fluoropolymers Co.,Ltd.**), and contact phone number (**0086-185-7168-9228**).