## SECTION 1: Identification of the substance/mixture and of the company/undertaking

<table>
<thead>
<tr>
<th>1.1 Products identifier</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name</strong></td>
<td>FEP Resin</td>
</tr>
<tr>
<td><strong>Other Name</strong></td>
<td>Fluorinated Ethylene Propylene Resin</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.2 Relevant identified uses of the substance or mixture and uses advised against</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Use of the substance/mixture</strong></td>
<td>Resin for molding/injection/extrusion</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.3 Details of the supplier of the safety data sheet</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Company</strong></td>
<td>Hubei Everflon Polymers Co.,Ltd</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>3F Fuqiao Industrial Zone, C&amp;F Ave,Caidian Wuhan, China</td>
</tr>
<tr>
<td><strong>Telephone</strong></td>
<td>+86-27-8488-8055</td>
</tr>
<tr>
<td><strong>Telefax</strong></td>
<td>+86-27-8488-8056</td>
</tr>
<tr>
<td><strong>E-mail address</strong></td>
<td><a href="mailto:info@everflon.com">info@everflon.com</a></td>
</tr>
</tbody>
</table>
SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture

2.2 Label elements

Not a hazardous substance or mixture

2.3 Other hazards

Polymer fume fever with flu-like symptoms in humans which caused by the thermal decomposition vapours of fluorinated plastics, especially when smoking contaminated tobacco.

SECTION 3: Composition/information on the ingredients

3.1 Substances

Tetrafluoroethylene/Hexafluoropropene CAS: 25067-11-2

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

No hazards which require special first aid measures. Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt seek medical advice

Inhalation

Remove from exposure, lie down. Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.

Skin contact

Don’t peel polymer from the skin. Cool skin rapidly with cold water after contact with molten materials. Wash off with soap and water.
Everflon™ FEP Pellets

Safety Data Sheet

Eye contact

Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. Get medical attention.

Ingestion

Not a probable route of exposure.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Polymer fume fever

4.3 indication of any immediate medical attention and special treatment needed

Treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Dry powder. Foam. Water

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting

Hazardous thermal decomposition products:

- Carbon oxides
- Acid fluorides
- Fluorinated compounds
- Hydrogen fluoride
- Carbonyl fluoride
- Exposure to decomposition products may be a hazard to health

5.3 Special hazards arising from the substance or mixture

Special protective equipment for firefighters

In the event of fire, wear self-contained breathing apparatus. Wear suitable protective equipment. Wear neoprene gloves during cleaning up work after a fire.
SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Personal precautions
Ventilate the area. Material can create slippery conditions.

6.2 Environmental precautions
Environmental precautions
No specially required.

6.3 Methods and materials for containment and cleaning required
Methods for cleaning up
Sweep up and shovel into suitable containers for disposal. Clean contaminated floors and objects thorough while observing environmental regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Advice on safe handling
Avoid breathing vapours that may be emanating.
Avoid breathing dust. Avoid contamination of cigarttes or tobacco with dust from this material.
General precaution for all plastics and elastomers.
Provide appropriate exhaust ventilation at dryers, machinery and at places where dust or volatiles can be generated.
Take necessary action to avoid static electricity discharge.

Advice on protection against
Fire and explosion
### 7.2 Conditions for safe storage, including any incompatibilities

<table>
<thead>
<tr>
<th>Requirements for storage areas</th>
<th>Keep container dry and well-ventilated place. Protect from contamination.</th>
</tr>
</thead>
<tbody>
<tr>
<td>And containers</td>
<td>No special restrictions on storage.</td>
</tr>
<tr>
<td>Advice on common storage</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

No information available.

#### 8.2 Exposure controls

**Engineering measures**

- Ensure adequate ventilation, especially in confined areas. Good general ventilation should be provided to keep dust concentrations below the exposure limits. Local exhaust ventilation should be employed to minimize airborne contamination.

**Eye protection**

- Safety glasses with side shields

**Hand protection**

- Use heat resistant gloves

**Skin and body protection**

- Wear heat resistant clothing and footwear

**Hygiene measures**

- Cleaning of equipment, work area and clothing.
- Wash hands and face before breaks and immediately after handling the product. Don’t contaminate tobacco products, don’t breathe fumes evolved from hot polymer.
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Pellets</td>
</tr>
<tr>
<td>Colour</td>
<td>White, transparent</td>
</tr>
<tr>
<td>Odour</td>
<td>None</td>
</tr>
<tr>
<td>Melting point</td>
<td>260°C</td>
</tr>
<tr>
<td>Flash point</td>
<td>Difficult to ignite, and flame goes out when initiating source is removed</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>530°C</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No information available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No information available</td>
</tr>
<tr>
<td>Density</td>
<td>2.17g/cm³</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Insoluble</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if shored and applied as directed

10.2 Chemical stability

It is chemical stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions

During drying, cleaning and moulding, small amounts of hazardous gases or particulate matter may be released.

10.4 Conditions to avoid

Don’t overheat, abnormally long processing time or high temperatures can produce irritating and toxic fumes.
10.5 Incompatible materials

Powdered metals. Finely divided aluminum. Related compounds

Contact with incompatible materials can cause fire and explosion

10.6 Hazardous decomposition products

Hazardous thermal decomposition products may include:

- Hydrogen fluoride
- Carbonyl fluoride
- Perfluoroisobutylene
- Acid fluorides
- Carbon oxides
- Fluorinated compounds

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute inhalation toxicity

SECTION 12: Ecological information

12.1 Toxicity

No information available

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available
**SECTION 13: Disposal considerations**

13.1 Waste treatment methods

The products could be recycled. If recycling is not practicable, please contact our local service center to collect them.

Empty package should be taken to an approved waste handling site for recycling or disposal.

**SECTION 14: Transport information**

Could be shipped as normal cargo.

**SECTION 15: Regulatory information**

Not regulated.

**SECTION 16: Other information**

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