



POLYFLON PTFE M Molding Powder

Safety Data Sheet
SDS Number: 20057

Issued: 2012-09-20

1 - Chemical Product and Company Identification

1.1 Chemical Product

Trade name POLYFLON PTFE M Molding Powder
Grade name M-221

1.2 Company Identification

Name DAIKIN FLUOROchemicals (CHINA) CO.,LTD.
Add CHANGSHU INTERNATIONAL CHEMICAL INDUSTRIAL PARK, HAIYU TOWN,
CHANGSHU, JIANGSU 215522 CHINA
Tel (+86) 512-5232-2266
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1.3 Emergency Telephone

Company: (+86)512-5232-0949

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2 - Hazards Identification

GHS label elements Void

3 - Composition Information

Chemical characterization:

CAS No. Description

9002-84-0 Polytetrafluoroethylene

4 – First aid Procedures

- 4.1 Inhalation** Supply fresh air; consult doctor in case of complaints.
- 4.2 Skin Contact** Immediately wash with water and soap and rinse thoroughly.
After contact with the molten product, cool rapidly with cold water.
- 4.3 Eyes Contact** Rinse opened eye for several minutes under running water.
- 4.4 Ingestion** If symptoms persist consult doctor .
- **Information for doctor:** Vapors and fumes liberated during hot processing(above 260°C) with this material may cause flu-like symptoms (chills, fever and sometimes, cough) that may not occur until several hours after exposure and typically pass within about 36 to 48 hours.

5 – Fire-fighting Measures

- 5.1 Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Special hazards caused by the substance, its products of combustion or resulting gases:**
Formation of toxic gases is possible during heating or in case of fire.
- 5.3 Protective equipment:** Wear fully protective suit.

6 - Accidental Release Measures

- 6.1 Person-related safety precautions:** Not required.
- 6.2 Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
- 6.3 Measures for cleaning/collecting:** Pick up mechanically.
- 6.4 Additional information:**
See Section 8 for information on personal protection equipment.
No dangerous substances are release.

7 - Handling and Storage

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7.1 Handling

Information for safe handling:

Extractors are required on all machines used for thermal processing or splinter removal processes.

7.2 Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Protect from contamination.

8 - Exposure Controls and Personal Protection

8.1 Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

8.2 Personal Protective Equipment:

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Keep away from tobacco products.

Avoid contact with the skin.

Respiratory protection:

For conditions where exist a potential for significant exposure to fumes and/or toxic vapour use a full-face-mask with the acid and organic vapor cartridges.

Protection of hands: Synthetic rubber gloves.

Eye protection: Safety glasses.

Body protection: Protective work clothing.

9 - Physical and Chemical Properties

Appearance	Powder
Colour	White
Odour	Odourless
Boiling point	Undetermined
Melting point	320-330°C
Flash Point	Not applicable.
Decomposition temperature	470°C (0.1%TG)
Density	2.1~2.2g/cm ³
Flammability(solid, gaseous)	Product is not flammable.
Danger of explosion	Product does not present an explosion hazard.
Solubility in water	Insoluble

10 - Stability and Reactivity

10.1 Thermal decomposition/conditions to be avoided:

Even at the temperatures reached during the normal hot processing of fluoropolymers fume will be generated, that will present a potential health hazard.

To avoid thermal decomposition do not overheat.

10.2 Dangerous reactions: No dangerous reactions known.

10.3 Dangerous decomposition products: Danger of toxic fluorine based pyrolysis products.

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11 – Toxicological Information

11.1 Acute toxicity: No data.

11.2 Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 - Ecological Information

12.1 Acquatic toxicity: No further relevant information available.

12.2 Other information:

The product is insoluble in water and the biodegradation and ecotoxicity is expected to below.

13 - Disposal Considerations

13.1 Recommendation: Disposal must be made according to official regulations.

13.2 Uncleaned packaging: Disposal must be made according to official regulations.

14 - Transportation Information

14.1 UN "Model Regulation": -

15 - Regulatory Information

15.1 Safety Phrases

15: Keep away from heat.

21: When using, do not smoke.

16 - Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)