



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

Product name MJ-102

Product code MJ- 102

Intended use of the substance/preparation

Non-stick finish for professional use

Company/Undertaking Identification

Producer/Supplier DuPont Kabushiki Kaisha
Street/Box Sanno Park Tower 11-1, Nagata-cho 2-chome Chiyoda-ku Tokyo
Telephone +81 (0)3 5281 5888
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Information on SDS

Responsible Department DuPont Chemicals & Fluoroproducts
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Emergency Information

Emergency telephone number +81 (0)3 5281 5888

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2. Hazards identification

The substance is not classified for all GHS criteria.

GHS-Classification

Not classified according to GHS criteria

GHS-Labeling

Hazard symbols Not classified according to GHS criteria
Signal word Not classified according to GHS criteria
Hazard statements Not classified according to GHS criteria
Precautionary statements Not classified according to GHS criteria

Other hazards which do not result in classification

Not classified according to GHS criteria

3. Composition/information on ingredients

Chemical nature

Pure substance

Chemical identification : Perfluoro(propyl vinyl ether)-tetrafluoroethylene copolymer CAS 26655-00-5 100%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

**Skin contact**

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Fire-fighting measures

Suitable extinguishing media

Water sprayDry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8). The product is flammable but not readily ignited.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

Prevention of secondary hazards

Dispose of in accordance with local regulations.

7. Handling and storage

**Handling**

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice**Technical measures/Precautions**

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Do not apply pressure when emptying drums. During baking at temperatures above 400°C, small amounts of hydrogen fluoride can be evolved; these amounts increase as temperatures. Hydrogen fluoride vapours are very toxic and cause skin and eye irritation. Above 430°C an explosive reaction may occur if finely divided fluorocarbon comes into contact with metal powder (aluminium or magnesium). Operations such as grinding, buffing or grit blasting may generate such mixtures. Avoid any dust buildup with fluorocarbons and metal mixtures.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Occupational Exposure Limits ISHL (Japan)/Occupational Exposure Limits

The product contains no substances classified as hazardous to health by an OEL value in concentrations which should be taken into account.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

When handling molten material, use face-shields. Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	> 240 min

When handling hot material, use heat resistant gloves. The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

**Skin and body protection**

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : solid Colour: white Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	Not applicable.
Flash point	Not applicable.
Evaporation rate	not applicable
Flammability	
Upper explosion limit	Not applicable.
Lower explosion limit	Not applicable.
Vapour pressure	Not applicable.
Solubility(ies)	immiscible
Vapour density	no data available
Density	2.15 g/cm ³
Partition coefficient: n-octanol/water	no data available
Ignition temperature	Not applicable.
Decomposition temperature	
Viscosity (23 °C)	Not applicable.

Does not sustain combustion.

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

In the event of fire Carbon monoxide, fluorinated hydrocarbons, hydrogen fluoride, nitrogen oxides may be formed.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

**Skin or eye contact**

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

not hazardous

Serious eye damage/eye irritation

not hazardous

Respiratory sensitization

not hazardous

Skin sensitization

not hazardous

Germ cell mutagenicity

not hazardous

Carcinogenicity

not hazardous

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

not hazardous

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

**Acute aquatic toxicity**
Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. Disposal considerations

Disposal regulatory information

Not regulated

Waste disposal methods

Dispose in accordance with the Waste Disposal and Public Cleaning Law (Enforcement Ordinance, Section 6). When consigning for disposal, do so after signing a contract with a (specially controlled) industrial waste disposer approved by the local authority.

Contaminated packaging

When disposing of empty containers, completely remove the content, and dispose of it in accordance with the Waste Disposal and Public Cleaning Law (Enforcement Ordinance, Section 6) in the same manner as with residual wastes.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Domestic transport regulations

Not classified as dangerous in the meaning of domestic transport regulations.

Additional regulations**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

16. Other information

Sources of key data used to compile the Safety Data Sheet
Department

DuPont Kabushiki Kaisha
Sanno Park Tower 11-1, Nagata-cho 2-chome Chiyoda-ku Tokyo



SAFETY DATA SHEET

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Data Review Department

Regulatory Affairs

Revision Note

Version	Changes
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