


**TEFLON™ AF Amorphous Fluoropolymer**

Version 2.0

Revision Date 30.10.2007

Ref. 130000033504

This SDS adheres to the standards and regulatory requirements of the European Union and may not meet the regulatory requirements in other countries.

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**
**Product information**

Product name : TEFLON™ AF Amorphous Fluoropolymer

Company : Du Pont de Nemours (Nederland) B.V.  
Baanhoekweg 22  
NL-3313 LA Dordrecht  
The Netherlands

Telephone : +31-78-630.1011

Emergency telephone : +44-(0)8456-006.640

E-mail address : sds-support@che.dupont.com

**2. HAZARDS IDENTIFICATION**

No hazards to be specially mentioned.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No.	EC-No.	Classification	Concentration [%]
Dioxole/TFE Copolymer	37626-13-4			100

**4. FIRST AID MEASURES**

- General advice : Remove from exposure, lie down. Never give anything by mouth to an unconscious person. No hazards which require special first aid measures. If a person vomits when lying on his back, place him in the recovery position.
- Inhalation : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Consult a physician after significant exposure.
- Skin contact : Cool skin rapidly with cold water after contact with molten material. Do not peel polymer from the skin. Consult a physician.
- Eye contact : Rinse thoroughly with plenty of water, also under the eyelids. Consult a physician.
- Ingestion : No hazards which require special first aid measures. Drink water as a precaution.

**5. FIRE-FIGHTING MEASURES**

Suitable extinguishing : Carbon dioxide (CO2), Dry powder, Foam, Water,



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Specific hazards during fire fighting : Under conditions giving incomplete combustion, hazardous gases produced may consist of: Carbon monoxide Hydrogen fluoride

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Wear suitable protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Ventilate the area. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : No special environmental precautions required.

Methods for cleaning up : Clean up promptly by sweeping or vacuum. Sweep up to prevent slipping hazard. Sweep up or vacuum up spillage and collect in suitable container for disposal.

Additional advice : Use mechanical handling equipment. Contaminated surfaces will be extremely slippery.

### 7. HANDLING AND STORAGE

#### Handling

Advice on safe handling : Protect from contamination. When opening containers, avoid breathing vapours that may be emanating. Provide appropriate exhaust ventilation at dryers, machinery and at places where dust or volatiles can be generated. General precaution for all plastics and elastomers: For personal protection see section 8. In case of insufficient ventilation, wear suitable respiratory equipment. No special handling advice required.

Advice on protection against fire and explosion : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

#### Storage

Requirements for storage areas and containers : No special storage conditions required. Keep container tightly closed in a dry and well-ventilated place. Protect from contamination.

Further information on storage conditions : none

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Engineering measures

Ensure adequate ventilation, especially in confined areas.

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**Personal protective equipment**

- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Suitable respiratory equipment: Half mask with a particle filter FFP2/FFP3 (EN149)
- Hand protection : Protective gloves (Type : Kevlar® - heat resistant, use possible until worn out)
- Eye protection : Safety glasses with side-shields
- Skin and body protection : If there is a potential for contact with hot/molten material wear heat resistant clothing and footwear. Regular cleaning of equipment, work area and clothing.
- Hygiene measures : Wash hands before breaks and at the end of workday. General precaution for all plastics and elastomers: Do not breathe fumes evolved from hot polymer.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form : solid, powder, pellets,
- Colour : white,
- Odour : none,
- Density : 1,78 g/cm<sup>3</sup>

**10. STABILITY AND REACTIVITY**

- Conditions to avoid : To avoid thermal decomposition, do not overheat. Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded.
- Hazardous reactions : None. Further information During drying, cleaning and moulding, small amounts of hazardous gases and/or particulate matter may be released. These may irritate eyes, nose and throat. Large molten masses may give off hazardous gases. No decomposition if used as directed.

**11. TOXICOLOGICAL INFORMATION**

- Acute inhalation toxicity : The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.

**12. ECOLOGICAL INFORMATION****Further information on ecology**

- Additional ecological information : This product has no known eco-toxicological effects.

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**13. DISPOSAL CONSIDERATIONS**

- Product : Like most thermoplastic plastics the product can be recycled. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Can be landfilled, when in compliance with local regulations.
- Contaminated packaging : Empty containers should be taken for local recycling or waste disposal.

**14. TRANSPORT INFORMATION**

- Further information : Not classified as dangerous in the meaning of transport regulations.

**15. REGULATORY INFORMATION****Labelling according to EC Directives**

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.  
The product does not need to be labelled in accordance with EC directives or respective national laws.

**16. OTHER INFORMATION****Recommended restrictions on use**

Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract that is consistent with DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative. You may also request a copy of the DuPont POLICY Regarding Medical Applications H-50103-2 and DuPont CAUTION Regarding Medical Applications H-50102-2.

Significant change from previous version is denoted with a double bar.

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.