

**Teflon Advanced**

Version 2.0

Revision Date 16.02.2005

Ref. 130000024027

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

Trade name : Teflon Advanced  
Use of the :  
Substance/Preparation :  
Company : Du Pont (Australia) Ltd  
168 Walker Street  
North Sydney NSW 2060  
Australia

Telephone : (02) 9923 6111  
Telefax : (02) 9923 6011  
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number

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Components**

Chemical Name	CAS-No.	Concentration
Water	7732-18-5	86 - 94%
Partially Fluorinated Aliphatic Polyurethane		3 - 5%
2-Methyl-2,4-pentanediol	107-41-5	1 - 4%
Amphoterac acrylic copolymer		1 - 2%
Polyethoxylated Aliphatic Alcohol		1 - 2%

**3. HAZARDS IDENTIFICATION****Hazardous classification**

Not classified as dangerous goods according to the ADG Code.  
Classified as hazardous according to criteria of NOHSC.

**Risks**

Harmful by inhalation.  
Harmful to aquatic organisms.

**Safety data**

Do not breathe spray.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
Use only in well-ventilated areas.

**4. FIRST AID MEASURES**

Inhalation : Move to fresh air. If victim has stopped breathing: Artificial respiration and/or oxygen may be necessary. Call a physician immediately.



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- Skin contact : Wash off with soap and water.
- Eye contact : Rinse with plenty of water. Call a physician immediately.
- Ingestion : Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician immediately.

### Notes to physician

- Treatment : If ingested, irrigate the stomach using activated charcoal in addition. Note: To prepare activated charcoal slurry, mix thoroughly 50 g of activated charcoal in 400 ml (about 2 cups) water.

## 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : water spray, foam, dry chemical, carbon dioxide (CO<sub>2</sub>)
- Special protective equipment for fire-fighters : Wear self contained breathing apparatus for fire fighting if necessary.
- Further information : Evacuate personnel to safe areas. In the event of fire and/or explosion do not breathe fumes. The product itself does not burn.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.
- Environmental precautions : Should not be released into the environment. Prevent product from entering drains.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel or sweep up.

## 7. HANDLING AND STORAGE

### Handling

- Advice on safe handling : Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Avoid formation of respirable particles.

### Storage

- Requirements for storage areas and containers : Keep away from food, drink and animal feeding stuffs. Keep containers tightly closed in a cool, well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Components with workplace control parameters

Components	Values	Control parameters	Basis
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2-Methyl-2,4-pentanediol	Ceiling	(25 ppm)	ACGIH (2004)
	PEAK	121 mg/m <sup>3</sup> (25 ppm)	NOHSC:1003 (2003)

### Engineering measures

Ensure adequate ventilation. Use an airless flow type of spray applicator. Keep spraying pressure below 4.1 bar.

### Personal protective equipment

Respiratory protection	:	In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection	:	Material: impervious gloves
Eye protection	:	safety glasses goggles
Skin and body protection	:	Wear as appropriate: Remove and wash contaminated clothing before re-use. Skin should be washed after contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Colour	:	white , tan
Odour	:	very faint
pH	:	5.5 - 6.5
Boiling point/range	:	100 °C
Flash point	:	does not flash
Thermal decomposition	:	200 °C
Relative density	:	1
Water solubility	:	dispersible

## 10. STABILITY AND REACTIVITY

Materials to avoid	:	strong bases, anionic surfactants
Hazardous decomposition products	:	carbon dioxide (CO <sub>2</sub> ), Carbon monoxide, hydrogen fluoride, Thermal decomposition can lead to release of irritating gases and vapours.

## 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	
• Partially Fluorinated	:	ALD/rat : 11,000 mg/kg



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Aliphatic Polyurethane

- 2-Methyl-2,4-pentanediol : LD50/rat : 3,700 mg/kg

Acute dermal toxicity

- 2-Methyl-2,4-pentanediol : LD50/rabbit : 7,880 mg/kg

Human experience

: Excessive exposures may affect human health, as follows:

Inhalation: *Upper respiratory tract*: irritation

*Lungs*: irritation, cough, discomfort, shortness of breath, oedema,  
Symptoms may be delayed.

Skin contact: *Skin*: irritation, discomfort, rashEye contact: *Eyes*: irritation, discomfort, blurred visionIngestion: *Gastrointestinal tract*: discomfort, nausea, headache, weakness,  
vomiting, diarrhoea

*Central nervous system*: dizziness, headache, lack of coordination,  
unconsciousness, (temporary)

## 12. ECOLOGICAL INFORMATION

Toxicity to fish

- 2-Methyl-2,4-pentanediol : LC50/96 h/Pimephales promelas (fathead minnow): 8,690 mg/l

## 13. DISPOSAL CONSIDERATIONS

Product : In accordance with local and national regulations.

## 14. TRANSPORT INFORMATION

Further Information : Not classified as dangerous goods according to the ADG Code.

## 15. REGULATORY INFORMATION

### Labelling

Symbol(s) : Xn Harmful

R-phrase(s) : R20 Harmful by inhalation.  
R52 Harmful to aquatic organisms.

S-phrase(s) : S23 Do not breathe spray.

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S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S51	Use only in well-ventilated areas.

**National regulatory information:**

SUSDP : No poison schedule number allocated

**16. OTHER INFORMATION****Sources of key data used to compile the datasheet:**

1. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
2. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
3. List of Designated Hazardous Substances [NOHSC:10005(1999)]
4. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]
5. Australian Dangerous Goods Code, No. 6 [National Road Transport Commission]
6. Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP), No. 19 [NDPSC: 2004]
7. National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]

**Department:**

Du Pont (Australia) Ltd  
168 Walker Street  
North Sydney NSW 2060  
Australia

**Further information:**

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 information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.