

SAFETY DATA SHEET


DuPont™ Teflon® Dry Multi-Use Lubricant

Version 2.1

Revision Date 06.06.2008

Ref. 130000027428

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

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

Trade name : DuPont™ Teflon® Dry Multi-Use Lubricant
 Use of the :
 Substance/Preparation :
 Company : Du Pont (Australia) Ltd
 7 Eden Park Drive
 Macquarie Park NSW 2113
 Australia

Telephone : (02) 9923 6111
 Telefax : (02) 9923 6011
 Emergency telephone : (02) 9923 6275 (Transport Emergency)
 (24 hr Emergency Medical Information: 1800 674 415)

2. COMPOSITION/INFORMATION ON INGREDIENTS
Components

Chemical Name	CAS-No.	Concentration
Naphtha (petroleum), hydrotreated light	64742-49-0	58 - 70%
Naphtha (petroleum), hydrotreated heavy <0.1%	64742-48-9	5.5 - 11.5%
Benzene		
DuPont "Teflon" Polytetrafluoroethylene	9002-84-0	2.5 - 6.5%
Additives		17.5 - 29.5%

3. HAZARDS IDENTIFICATION
Hazardous classification

Classified as dangerous goods according to the ADG Code
 Classified as hazardous according to criteria of NOHSC.

Risks

Highly flammable.
 Harmful: may cause lung damage if swallowed.

Safety data

Keep container in a well-ventilated place.
 Keep away from sources of ignition - No smoking.
 Take precautionary measures against static discharges.
 In case of fire, use sand, dry chemical or alcohol-resistant foam.
 This material and its container must be disposed of as hazardous waste.
 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

4. FIRST AID MEASURES

Inhalation : If breathed in, move person into fresh air. Oxygen or artificial respiration if


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- needed. Seek medical advice.
- Skin contact : Wash off immediately with soap and plenty of water. Wash contaminated clothing before re-use.
- Eye contact : If in eyes, rinse with water for 15 minutes. Obtain medical attention.
- Ingestion : Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If conscious, drink plenty of water. Call a physician immediately.

Notes to physician

- Risks : Risk of product entering the lungs on vomiting after ingestion.
- Treatment : Do NOT induce vomiting. 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 : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during fire fighting : Vapours may form explosive mixtures with air. Flash back possible over considerable distance. Burning produces obnoxious and toxic fumes.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment. Ventilate the area. Remove all sources of ignition.
- Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE
Handling

- Advice on safe handling : Avoid inhalation of vapour or mist. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Keep away from fire, sparks and heated surfaces.

Storage

- Requirements for storage areas and containers : Keep away from sources of ignition - No smoking. Keep in a well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION


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Components with workplace control parameters

Components	Values	Control parameters	Basis
Heptane	TWA	(400 ppm)	ACGIH (2004)
	STEL	(500 ppm)	ACGIH (2004)
	TWA	1,640 mg/m ³ (400 ppm)	AU OEL (2004)
	STEL	2,050 mg/m ³ (500 ppm)	AU OEL (2004)
Methylcyclohexane	TWA	1,610 mg/m ³ (400 ppm)	AU OEL (2004)
	TWA	(400 ppm)	ACGIH (2004)
Calcium Stearate (Inspirable dust.)	TWA	10 mg/m ³	AU OEL (08 2005)
Calcium Stearate	TWA	10 mg/m ³	ACGIH (01 2006)

Not classifiable as a human carcinogen.

Engineering measures

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection : Material: Impervious gloves

Eye protection : Safety glasses, Tightly fitting safety goggles

Skin and body protection : Apron, Long sleeved clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid
Colour	: white
Odour	: hydrocarbon-like , mild
Melting point/range	: 49 - 74 °C
Boiling point/boiling range	: 92 - 100 °C
Flash point	: -9 °C , Method: Tag closed cup - TCC
Thermal decomposition	: 290 °C Hazardous decomposition products formed under fire conditions.


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Vapour pressure	: 53 hPa at 20 °C
Density	: 0.6805 g/cm ³
Water solubility	: insoluble
Relative vapour density	: 3.5

10. STABILITY AND REACTIVITY

Conditions to avoid	: None reasonably foreseeable.
Hazardous decomposition products	: Stable under recommended storage conditions.
Hazardous reactions	: Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

• Naphtha (petroleum), hydrotreated light : LD50/rat : 5,170 mg/kg
Information given is based on data obtained from similar substances.
Central nervous system effects

• Naphtha (petroleum), hydrotreated heavy <0.1% Benzene : LD50/rat : > 10,000 mg/kg

Acute inhalation toxicity

• Naphtha (petroleum), hydrotreated heavy <0.1% Benzene : LC50/4 h/rat : > 2,000 mg/l

Acute dermal toxicity

• Naphtha (petroleum), hydrotreated light : LD50/rabbit : > 2,000 mg/kg
Information given is based on data obtained from similar substances.

• Naphtha (petroleum), hydrotreated heavy <0.1% Benzene : LD50/rabbit : > 3,200 mg/kg

Skin irritation

• Naphtha (petroleum), hydrotreated light : rabbit
Mild skin irritation Information given is based on data obtained from similar substances.

Repeated dose toxicity

• Naphtha (petroleum), hydrotreated light : Inhalation
Adverse body weight effects Nasal or ocular discharge muscle twitching
Lethargy Information given is based on data obtained from similar substances.

Human experience : Excessive exposures may affect human health, as follows:

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Inhalation: *Upper respiratory tract*: Irritation, Headache, Nausea, Weakness

Central nervous system: Dizziness, Headache, Drowsiness, Unconsciousness, Irregular cardiac activity, Shortness of breath, Symptoms may be delayed.

Fatality, Polymer fume fever

Skin contact: *Skin*: Irritation, Itching, Burn, Redness, Swelling of tissue, Rash

Eye contact: *Eyes*: Irritation, Discomfort, Pain, Blurred vision

Ingestion: *Lungs*: Shortness of breath, Increased pulse rate, Fever, Symptoms may be delayed.

Fatality

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

Additional ecological information : No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

Product : In accordance with local and national regulations.

14. TRANSPORT INFORMATION**ADG**

UN-Number : 3295
Proper shipping name : Hydrocarbons, liquid, n.o.s.
Class : 3
Packaging group : II
Hazchem Code : 3WE

IMDG

UN-Number : 3295
Proper shipping name : Hydrocarbons, liquid, n.o.s.
Class : 3
Packaging group : II
Labelling No. : 3
Marine pollutant : no

Further information : Classified as dangerous goods according to the ADG Code

15. REGULATORY INFORMATION**Labelling**


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Symbol(s)	:	F Xn	Highly flammable Harmful
R-phrases(s)	:	R11 R65	Highly flammable. Harmful: may cause lung damage if swallowed.
S-phrases(s)	:	S 9 S16 S33 S43 S60 S62	Keep container in a well-ventilated place. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. In case of fire, use sand, dry chemical or alcohol-resistant foam. This material and its container must be disposed of as hazardous waste. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Further information	:	Classified as hazardous according to criteria of NOHSC.	

National regulatory information

SUSDP : Schedule 5

16. OTHER INFORMATION
Sources of key data used to compile the Safety Data Sheet:

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
7 Eden Park Drive
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Australia

Further information:

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.