

# DENTSPLY PERMASOFT LIQUID

Chemwatch Independent Material Safety Data Sheet  
Issue Date: 7-Oct-2009  
C93177C

CHEMWATCH 4613-76  
Version No:4  
CD 2009/3 Page 1 of 5

## Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NAME

DENTSPLY PERMASOFT LIQUID

### PROPER SHIPPING NAME

FLAMMABLE LIQUID, N.O.S.(contains ethanol)

### PRODUCT USE

Soft denture liner liquid

### SUPPLIER

Company: DENTSPLY (AUSTRALIA) PTY LTD

Address:

11- 21 Gilby Road

Mount Waverley

VIC 3149

AUSTRALIA

Telephone: 1300 55 29 29

Emergency Tel: 1300 55 29 29 (Hours of operation:

Monday - Friday 9:00 am - 5:00 pm EST; General  
information only)

Fax: +61 3 9538 8260

## Section 2 - HAZARDS IDENTIFICATION

### STATEMENT OF HAZARDOUS NATURE

**DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE. According to the Criteria of NOHSC, and the ADG Code.**

### POISONS SCHEDULE

None

### RISK

- Flammable.

### SAFETY

- Do not breathe gas/fumes/vapour/spray.
- Avoid exposure - obtain special instructions before use.
- In case of contact with eyes rinse with plenty of water and contact Doctor or Poisons Information Centre.
- This material and its container must be disposed of as hazardous waste.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
dibutyl phthalate	84-74-2	NotSpec
ethyl acetate	141-78-6	NotSpec
ethanol	64-17-5	NotSpec

## Section 4 - FIRST AID MEASURES

### SWALLOWED

- - For advice, contact a Poisons Information Centre or a doctor at once.
- Urgent hospital treatment is likely to be needed.

### EYE

- - If in eyes, hold eyelids apart and flush the eye continuously with running water.
- Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

### SKIN

- If skin contact occurs:
- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).

### INHALED

- - If fumes or combustion products are inhaled remove from contaminated area.
- Other measures are usually unnecessary.

continued...

# DENTSPLY PERMASOFT LIQUID

Chemwatch Independent Material Safety Data Sheet

Issue Date: 7-Oct-2009

C9317TC

CHEMWATCH 4613-76

Version No:4

CD 2009/3 Page 2 of 5

Section 4 - FIRST AID MEASURES

---

## NOTES TO PHYSICIAN

- Treat symptomatically.

---

## Section 5 - FIRE FIGHTING MEASURES

---

### EXTINGUISHING MEDIA

- - Foam.
- Dry chemical powder.

### FIRE FIGHTING

- - Alert Fire Brigade and tell them location and nature of hazard.
- May be violently or explosively reactive.

### FIRE/EXPLOSION HAZARD

- - Liquid and vapour are flammable.
  - Moderate fire hazard when exposed to heat or flame.
- Combustion products include: carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), other pyrolysis products typical of burning organic material.

### FIRE INCOMPATIBILITY

- - Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

### HAZCHEM: ●3Y

### PERSONAL PROTECTION

- Glasses:  
Chemical goggles.
- Gloves:  
PVC chemical resistant type.
- Respirator:  
Type ANO-P Filter of sufficient capacity

---

## Section 6 - ACCIDENTAL RELEASE MEASURES

---

### MINOR SPILLS

- Slippery when spilt.
- Remove all ignition sources.
- Clean up all spills immediately.

### MAJOR SPILLS

- Slippery when spilt.
- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

---

## Section 7 - HANDLING AND STORAGE

---

### PROCEDURE FOR HANDLING

- - Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of overexposure occurs.
- DO NOT allow clothing wet with material to stay in contact with skin.

### SUITABLE CONTAINER

- - Packing as supplied by manufacturer.
- Plastic containers may only be used if approved for flammable liquid.
- For low viscosity materials (i) : Drums and jerry cans must be of the non-removable head type. (ii) : Where a can is to be used as an inner package, the can must have a screwed enclosure.
- For materials with a viscosity of at least 2680 cSt. (23 deg. C).

### STORAGE INCOMPATIBILITY

- - Avoid reaction with oxidising agents.
  - Avoid storage with reducing agents.
- Avoid mixing with alkali metals such as sodium, potassium and lithium.

### STORAGE REQUIREMENTS

- - Store in original containers in approved flammable liquid storage area.
- Store away from incompatible materials in a cool, dry, well-ventilated area.

continued...

# DENTSPLY PERMASOFT LIQUID

Chemwatch Independent Material Safety Data Sheet  
Issue Date: 7-Oct-2009  
C9317TC

CHEMWATCH 4613-76  
Version No:4  
CD 2009/3 Page 3 of 5

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE CONTROLS

Source	Material	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>
Australia Exposure Standards	dibutyl phthalate (Dibutyl phthalate)		5		
Australia Exposure Standards	ethyl acetate (Ethyl acetate)	200	720	400	1440
Australia Exposure Standards	ethanol (Ethyl alcohol)	1000	1880		

### PERSONAL PROTECTION

#### RESPIRATOR

Type ANO-P Filter of sufficient capacity

#### EYE

- - Safety glasses with side shields
- Chemical goggles.

#### HANDS/FEET

- - Wear chemical protective gloves, eg. PVC.
- Wear safety footwear or safety gumboots, eg. Rubber.

#### OTHER

- - Overalls.
- PVC Apron.

#### ENGINEERING CONTROLS

- Local exhaust ventilation usually required. If risk of overexposure exists, wear approved respirator.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Clear, oily, flammable liquid with a characteristic odour; does not mix with water.

### PHYSICAL PROPERTIES

Liquid.

Molecular Weight: Not Applicable  
Melting Range (°C): Not Available  
Solubility in water (g/L): Partly Miscible  
pH (1% solution): Not Applicable  
Volatile Component (%vol): Not Available  
Relative Vapour Density (air=1): 9.6 @ 20 degC  
Lower Explosive Limit (%): 3.3 (ethanol)  
Autoignition Temp (°C): Not Available  
State: Liquid

Boiling Range (°C): 77.222  
Specific Gravity (water=1): 1.02  
pH (as supplied): Not Applicable  
Vapour Pressure (kPa): Not Available  
Evaporation Rate: 6 BuAC = 1  
Flash Point (°C): 23  
Upper Explosive Limit (%): 19 (ethanol)  
Decomposition Temp (°C): Not Available  
Viscosity: Not Available

## Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

### CONDITIONS CONTRIBUTING TO INSTABILITY

- - Presence of incompatible materials.
  - Product is considered stable.
- For incompatible materials - refer to Section 7 - Handling and Storage.*

## Section 11 - TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

#### ACUTE HEALTH EFFECTS

- Vapours may cause dizziness or suffocation.

#### CHRONIC HEALTH EFFECTS

- Not applicable.

#### TOXICITY AND IRRITATION

- Not available. Refer to individual constituents.

continued...

# DENTSPLY PERMASOFT LIQUID

Chemwatch Independent Material Safety Data Sheet  
Issue Date: 7-Oct-2009  
C93177C

CHEMWATCH 4613-76  
Version No:4  
CD 2009/3 Page 4 of 5  
Section 11 - TOXICOLOGICAL INFORMATION

## CARCINOGEN

Ethanol in alcoholic  
beverages

International Agency for Research on Cancer  
(IARC) Carcinogens

Group

1

## Section 12 - ECOLOGICAL INFORMATION

This material and its container must be disposed of as hazardous waste.

### Ecotoxicity

Ingredient

Persistence:  
Water/Soil

Persistence:  
Air

Bioaccumulat  
ion

Mobility

Dentsply PermaSoft Liquid  
dibutyl phthalate  
ethyl acetate  
ethanol

No data  
No data  
No data  
No data

## Section 13 - DISPOSAL CONSIDERATIONS

- - Containers may still present a chemical hazard/ danger when empty.
- Return to supplier for reuse/ recycling if possible.

## Section 14 - TRANSPORTATION INFORMATION



Labels Required: FLAMMABLE LIQUID  
HAZCHEM: ●3Y (ADG7)

### ADG7:

Class or division: 3  
UN No.: 1993  
Special provisions: 223, 274  
Notes: None  
Portable tanks and bulk  
containers - T4  
Instructions:  
Packagings and IBCs - P001, IBC03, LP01  
Packing instruction:

Subsidiary risk: None  
UN packing group: III  
Packing Instructions: None  
Limited quantities: 5 L  
Portable tanks and bulk  
containers - Special  
provisions: TP1, TP29  
Packagings and IBCs - None  
Special packing  
provisions:

Shipping Name: FLAMMABLE LIQUID, N.O.S. (contains ethanol)

### Land Transport UNDG:

Class or division: 3  
UN No.: 1993  
Shipping Name: FLAMMABLE LIQUID, N.O.S. (contains ethanol)

Subsidiary risk: None  
UN packing group: III

### Air Transport IATA:

ICAO/IATA Class: 3  
UN/ID Number: 1993  
Special provisions: A3 A148  
Shipping Name: FLAMMABLE LIQUID, N.O.S. \*(CONTAINS ETHANOL)

ICAO/IATA Subrisk: None  
Packing Group: III

### Maritime Transport IMDG:

IMDG Class: 3  
UN Number: 1993  
EMS Number: F- E, S- E  
Limited Quantities: 5 L  
Shipping Name: FLAMMABLE LIQUID, N.O.S.(contains ethanol)

IMDG Subrisk: None  
Packing Group: III  
Special provisions: 223 274 330 944 955  
Marine Pollutant: Not Determined

## Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE: None

continued...

# DENTSPLY PERMASOFT LIQUID

Chemwatch Independent Material Safety Data Sheet  
Issue Date: 7-Oct-2009  
C9317TC

CHEMWATCH 4613-76  
Version No:4  
CD 2009/3 Page 5 of 5  
Section 15 - REGULATORY INFORMATION

## REGULATIONS

Regulations for ingredients

### dibutyl phthalate (CAS: 84-74-2) is found on the following regulatory lists;

"Australia - Australian Capital Territory Environment Protection Regulation Ecosystem maintenance - Organic chemicals - Non-pesticide anthropogenic organics", "Australia Exposure Standards", "Australia Inventory of Chemical Substances (AICS)", "Australia National Pollutant Inventory", "IMO IBC Code Chapter 17: Summary of minimum requirements", "IMO IBC Code Chapter 17: Summary of minimum requirements", "IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk", "International Chemical Secretariat (ChemSec) REACH SIN" List (\*Substitute It Now!) 1.0", "OECD Representative List of High Production Volume (HPV) Chemicals", "OSPAR List of Chemicals for Priority Action", "OSPAR List of Substances of Possible Concern"

### ethyl acetate (CAS: 141-78-6) is found on the following regulatory lists;

"Australia Exposure Standards", "Australia Hazardous Substances", "Australia High Volume Industrial Chemical List (HVICL)", "Australia Inventory of Chemical Substances (AICS)", "Australia National Pollutant Inventory", "IMO IBC Code Chapter 17: Summary of minimum requirements", "IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk", "International Chemical Secretariat (ChemSec) REACH SIN" List (\*Substitute It Now!) 1.0", "OECD Representative List of High Production Volume (HPV) Chemicals"

### ethanol (CAS: 64-17-5) is found on the following regulatory lists;

"Australia Exposure Standards", "Australia Hazardous Substances", "Australia High Volume Industrial Chemical List (HVICL)", "Australia Illicit Drug Reagents/Essential Chemicals - Category 1", "Australia Inventory of Chemical Substances (AICS)", "Australia National Pollutant Inventory", "Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 5", "IMO IBC Code Chapter 17: Summary of minimum requirements", "IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances", "IMO Provisional Categorization of Liquid Substances - Chapter 18: List of products to which the Code does not apply", "International Agency for Research on Cancer (IARC) Carcinogens", "International Air Transport Association (IATA) Dangerous Goods Regulations", "International Council of Chemical Associations (ICCA) - High Production Volume List", "OECD Representative List of High Production Volume (HPV) Chemicals"

No data for Dentsply PermaSoft Liquid (CW: 4613-76)

## Section 16 - OTHER INFORMATION

### Denmark Advisory list for selfclassification of dangerous substances

Substance	CAS	Suggested codes
dibutyl phthalate	84- 74- 2	N; R51/53

■ Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:  
[www.chemwatch.net/references](http://www.chemwatch.net/references).

■ The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

*This document is copyright. Apart from any fair dealing for the purposes of private study, research, review or criticism, as permitted under the Copyright Act, no part may be reproduced by any process without written permission from CHEMWATCH. TEL (+61 3) 9572 4700.*

Issue Date: 7-Oct-2009  
Print Date: 7-Oct-2009

*This is the end of the MSDS.*