

DENTSPLY MODEL CEMENT (STICKY WAX)

Chemwatch Independent Material Safety Data Sheet
Issue Date: 13-Oct-2009
C93177C

CHEMWATCH 4620-5
Version No:4
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Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

DENTSPLY MODEL CEMENT (STICKY WAX)

PRODUCT USE

Dental restorations.

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

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

POISONS SCHEDULE

None

RISK

None under normal operating conditions.

SAFETY

■ Avoid contact with skin.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
gum dammar	9000-16-2	45
beeswax	8012-89-3	35
carnauba wax	8015-86-9	20

Section 4 - FIRST AID MEASURES

SWALLOWED

- - Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

EYE

- If this product comes in contact with eyes:
 - Wash out immediately with water.
 - If irritation continues, seek medical attention.

SKIN

- If skin contact occurs:
 - Immediately remove all contaminated clothing, including footwear.
 - Flush skin and hair with running water (and soap if available).
- In case of burns:
 - Quickly immerse affected area in cold running water for 10 to 15 minutes.
 - Bandage lightly with a sterile dressing. Treat for shock if required.

INHALED

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

NOTES TO PHYSICIAN

- Treat symptomatically.

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Section 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- - Foam.
- Dry chemical powder.

FIRE FIGHTING

- - Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.

FIRE/EXPLOSION HAZARD

- - Combustible.
 - Slight fire hazard when exposed to heat or flame.
- Combustion products include: carbon dioxide (CO₂), carbon monoxide (CO), other pyrolysis products typical of burning organic material.
May emit poisonous fumes.
May emit corrosive fumes.

FIRE INCOMPATIBILITY

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

HAZCHEM: None

PERSONAL PROTECTION

- Glasses:
Chemical goggles.
Gloves:
PVC chemical resistant type.
Respirator:

Section 6 - ACCIDENTAL RELEASE MEASURES

MINOR SPILLS

- - Clean up all spills immediately.
- Avoid contact with skin and eyes.

MAJOR SPILLS

- Minor hazard.
- Clear area of personnel.
- 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 exposure occurs.

SUITABLE CONTAINER

- - Packaging as recommended by manufacturer.

STORAGE INCOMPATIBILITY

- - Avoid reaction with oxidising agents.

STORAGE REQUIREMENTS

- - Store in original containers.
- Keep containers securely sealed.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

The following materials had no OELs on our records

- gum dammar:
- beeswax:
- carnauba wax:

CAS:9000- 16- 2
CAS:8012- 89- 3 CAS:8006- 40- 4
CAS:8015- 86- 9 CAS:85712- 28- 3

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Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

EYE

- - Safety glasses with side shields
- Chemical goggles.

HANDS/FEET

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

NOTE:

- The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.
- Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.

OTHER

- - Overalls.
- P.V.C. apron.

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required. For further information consult site specific CHEMWATCH data (if available), or your Occupational Health and Safety Advisor.

ENGINEERING CONTROLS

- General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Off-White to yellow coloured sticks; does not mix with water.

PHYSICAL PROPERTIES

Does not mix with water.
Floats on water.

Molecular Weight: Not
Applicable

Specific Gravity (water=1):
0.95- 1.0

pH (1% solution): Not
Applicable

Evaporation Rate: Not Available

Lower Explosive Limit (%): Not
Available

Decomposition Temp (°C): Not
Available

Boiling Range (°C): Not Available

Solubility in water (g/L):
Immiscible

Vapour Pressure (kPa): Not
Available

Relative Vapour Density (air=1):
Not Available

Upper Explosive Limit (%): Not
Available

State: Non Slump Paste

Melting Range (°C): 85- 90

pH (as supplied): Not
Applicable

Volatile Component (%vol): Not
Available

Flash Point (°C): Not Available

Autoignition 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

- Not applicable.

CHRONIC HEALTH EFFECTS

- Not applicable.

TOXICITY AND IRRITATION

- Not available. Refer to individual constituents.

GUM DAMMAR:

- No significant acute toxicological data identified in literature search.

BEESWAX:

- unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

- No data of toxicological significance identified in literature search.

CARNAUBA WAX:

- No significant acute toxicological data identified in literature search.

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Section 11 - TOXICOLOGICAL INFORMATION

Section 12 - ECOLOGICAL INFORMATION

No data

Ecotoxicity

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulat ion	Mobility
Dentsply Model Cement (Sticky Wax)		No data		
gum dammar		No data		
beeswax		No data		
carnauba wax		No data		

Section 13 - DISPOSAL CONSIDERATIONS

- - Consult manufacturer for recycling options and recycle where possible .
- Consult State Land Waste Management Authority for disposal.
- Containers may still present a chemical hazard/ danger when empty.
- Return to supplier for reuse/ recycling if possible.

Section 14 - TRANSPORTATION INFORMATION

HAZCHEM: None (ADG7)

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: ADG7, UN, IATA, IMDG

Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE: None

REGULATIONS

Regulations for ingredients

gum dammar (CAS: 9000-16-2) is found on the following regulatory lists;

"Australia Inventory of Chemical Substances (AICS)"

beeswax (CAS: 8012-89-3,8006-40-4) is found on the following regulatory lists;

"Australia Inventory of Chemical Substances (AICS)"

carnauba wax (CAS: 8015-86-9,85712-28-3) is found on the following regulatory lists;

"Australia Inventory of Chemical Substances (AICS)", "Australia Therapeutic Goods Administration (TGA) Substances that may be used as active ingredients in Listed medicines"

No data for Dentsply Model Cement (Sticky Wax) (CW: 4620-5)

Section 16 - OTHER INFORMATION

INGREDIENTS WITH MULTIPLE CAS NUMBERS

Ingredient Name	CAS
beeswax	8012- 89- 3, 8006- 40- 4
carnauba wax	8015- 86- 9, 85712- 28- 3

■ 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.

■ 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.

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Section 16 - OTHER INFORMATION

permission from CHEMWATCH. TEL (+61 3) 9572 4700.

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This is the end of the MSDS.