# **SAFETY DATA SHEETS**

# This SDS packet was issued with item:

070834879

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

071394535

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

070428185 070813642 070834853 070834861 070834887

## **Dentsply Celtra**

## **Dentsply Celtra**

Dentsply (Dentsply (AUSTRALIA))

 Chemwatch:
 40-2514
 Print Date:
 08/11/2013

 Version No:
 2.1.1.1
 Issue Date:
 08/11/2013

Material Safety Data Sheet according to NOHSC and ADG requirements S.Local.AUS.EN

## SECTION 1 Identification of the substance / mixture and of the company / undertaking

Product Identifier

Product name: Dentsply Celtra
Chemical Name: Not Applicable
Synonyms: Not Available

Proper shipping name:

 Chemical formula:
 Not Applicable

 Other means of identification:
 Not Available

 CAS number:
 Not Applicable

## Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: For dental use only.

Details of the supplier of the safety data sheet

Registered company name: Dentsply (Dentsply (AUSTRALIA))

Address: 11-21 Gilby Road Mount Waverley 3149 VIC

Telephone: +61 3 9538 8240
Fax: +61 3 9538 8260

Website: www.dentsply.com.au
Email: Not Available

**Emergency telephone number** 

Association / Organisation: Not Available
Emergency telephone numbers: Not Available
Other emergency telephone numbers: Not Available

#### **SECTION 2 Hazards identification**

Classification of the substance or mixture

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



#### Poisons Schedule:

#### Risk Phrases

Not Applicable

Legend: 1. Classified by Chemwatch; 2. Classification drawn from HSIS; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

**GHS Classification:** 

Legend: 1. Classified by Chemwatch; 2. Classification drawn from HSIS; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

Label elements

GHS label elements

Not Applicable

Signal word: NOT APPLICABLE

Hazard statement(s):

Not Applicable

Precautionary statement(s): Prevention

Not Applicable

Precautionary statement(s): Response

Not Applicable

Precautionary statement(s): Storage

Not Applicable

## **Dentsply Celtra**

#### Precautionary statement(s): Disposal

Not Applicable

#### Label elements

Not Applicable

Relevant risk statements are found in section 2

Indication(s) of danger: Not Applicable

#### Safety advice:

Not Applicable

#### Other hazards

Cumulative effects may result following exposure\*.

#### **SECTION 3 Composition / information on ingredients**

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
Not Available	100	ceramics, the mixture contains vitreous porcelain

#### **SECTION 4 First aid measures**

## **Description of first aid measures**

#### Eye Contact:

If this product comes in contact with the eyes:

- Wash out immediately with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- Seek medical attention without delay; if pain persists or recurs seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

#### Skin Contact:

If skin or hair contact occurs:

- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

#### Inhalation:

- If dust is inhaled, remove from contaminated area.
- Encourage patient to blow nose to ensure clear passage of breathing
- If irritation or discomfort persists seek medical attention.

#### Ingestion:

Rinse mouth out with plenty of water. In case of discomfort: supply with medical care.

## Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## **SECTION 5 Firefighting measures**

## Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

## Special hazards arising from the substrate or mixture

# Fire Incompatibility:

None known.

# Advice for firefighters

## Fire Fighting:

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Prevent, by any means available, spillage from entering drains or water courses.
- Use water delivered as a fine spray to control fire and cool adjacent area.
- DO NOT approach containers suspected to be hot.

#### Fire/Explosion Hazard:

- Non combustible.
- Not considered a significant fire risk, however containers may burn.

#### **SECTION 6 Accidental release measures**

#### Personal precautions, protective equipment and emergency procedures

#### Minor Spills:

Clean up all spills immediately

Do not breathe dust.

## Major Spills:

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- · Clear area of personnel and move upwind.
- · Alert Fire Brigade and tell them location and nature of hazard.
- Control personal contact with the substance, by using protective equipment and dust respirator.
- Prevent spillage from entering drains, sewers or water courses.
- Recover product wherever possible. Avoid generating dust.

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

#### **SECTION 7 Handling and storage**

## Precautions for safe handling

#### Safe handling

- Avoid generating and breathing dust
- Avoid contact with skin and eyes.
- Wear nominated personal protective equipment when handling.
- · Use in a well-ventilated area.
- · Use good occupational work practices.
- Observe manufacturer's storage and handling recommendations contained within this MSDS.

#### Other information

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.
- Store away from incompatible materials and foodstuff containers.
- Protect containers against physical damage and check regularly for leaks.
- Observe manufacturer's storage and handling recommendations contained within this MSDS.

## Conditions for safe storage, including any incompatibilities

#### Suitable container:

Packaging as recommended by manufacturer.

## Storage incompatibility:

None known

#### Package Material Incompatibilities:

#### SECTION 8 Exposure controls / personal protection

#### Control parameters

#### Occupational Exposure Limits (OEL)

#### INGREDIENT DATA

Not Available

**Emergency Limits** 

Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
Dentsply Celtra	Not Available	Not Available	Not Available	Not Available

 Ingredient
 Original IDLH
 Revised IDLH

 Dentsply Celtra
 Not Available
 Not Available

#### **Exposure controls**

#### Appropriate engineering controls

- Avoid generating and breathing dust.
- Effective dust extraction and good ventilation is required when using cutting, shaping or sanding tools. Wear a disposable dust mask AS 1715 (1991) class P1 or P2 when machining.

#### Personal protection









#### Eye and face protection:

No special equipment for minor exposure i.e. when handling small quantities. OTHERWISE:

- Safety glasses with side shields.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience.

If dust occurs: basket-shaped glasses.

#### Skin protection:

See Hand protection below

#### Hand protection:

No special equipment required due to the physical form of the product.

#### Body protection:

See Other protection below

#### Other protection:

No special equipment required due to the physical form of the product.

#### Thermal hazards:

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## **Dentsply Celtra**

Recommended material(s): Respiratory protection:

#### **SECTION 9 Physical and chemical properties**

Information on basic physical and chemical properties

#### Appearance

Odourless cylinder or blocks; does not mix with water. Colour: depending on staining result.

Physical state	Manufactured	Relative density (Water = 1)	2.5 approx.
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	Not Applicable	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Applicable
Initial boiling point and boiling range (°C)	Not Applicable	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Applicable	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Applicable
Vapour pressure (kPa)	Not Applicable	Gas group	Not Available
Solubility in water (g/L)	Immiscible	pH as a solution(1%)	Not Applicable
Vapour density (Air = 1)	Not Applicable		

## **SECTION 10 Stability and reactivity**

#### Reactivity:

See section 7

#### Chemical stability:

Product is considered stable and hazardous polymerisation will not occur.

#### Possibility of hazardous reactions:

See section 7

#### Conditions to avoid:

See section 7

## Incompatible materials:

See section 7

#### Hazardous decomposition products:

See section 5

## **SECTION 11 Toxicological information**

## Information on toxicological effects

#### Inhaled:

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

• Hazard relates to dust released by cutting, grinding, trimming or other shaping operations.

#### Ingestion:

Not normally a hazard due to the physical form of product. The material is a physical irritant to the gastro-intestinal tract

#### Skin Contact

Not normally a hazard due to physical form of product.

#### Eye:

Not normally a hazard due to physical form of product. Generated dust may be discomforting

#### Chronic:

TOXICITY

Hazard relates to dust released by cutting, grinding, trimming or other shaping operations.

Not Applicable

Not Applicable

Long term exposure to high dust concentrations may cause changes in lung function (i.e. pneumoconiosis) caused by particles less than 0.5 micron penetrating and remaining in the lung. A prime symptom is breathlessness. Lung shadows show on X-ray.

Long term inhalation of dusts containing crystalline silicas may lead to silicosis. Effects are cumulative, with nodular fibrosis, respiratory impairment, emphysema, even restriction, obstruction of lung function in severe cases.

Dentsply Celtra			
Not Available		Not Available	
Not available. Refer to individual constituents.			
Acute Toxicity:	Not Applicable	Carcinogenicity:	Not Applicable
Skin Irritation/Corrosion:	Not Applicable	Reproductivity:	Not Applicable
Serious Eye Damage/Irritation:	Not Applicable	STOT - Single Exposure:	Not Applicable

STOT - Repeated Exposure:

Aspiration Hazard:

Not Applicable

Not Applicable

Mutagenicity:
CMR STATUS

Respiratory or Skin sensitisation:

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## **Dentsply Celtra**

#### **SECTION 12 Ecological information**

#### Toxicity

DO NOT discharge into sewer or waterways.

Persistence	

Ingredient	Persistence: Water/Soil	Persistence: Air
Not Available	Not Available	Not Available

#### Bioaccumulative potential

 Ingredient
 Bioaccumulation

 Not Available
 Not Available

## Mobility in soil

IngredientMobilityNot AvailableNot Available

#### **SECTION 13 Disposal considerations**

#### Wasta treatment methods

#### Product / Packaging disposal:

- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Management Authority for disposal.
- Bury residue in an authorised landfill.
- · Recycle containers if possible, or dispose of in an authorised landfill.

## **SECTION 14 Transport information**

#### Labels Required:

Marine Pollutant: NO HAZCHEM: None

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

 ${\bf Sea\ transport\ (IMDG-Code\ /\ GGVSee): NOT\ REGULATED\ FOR\ TRANSPORT\ OF\ DANGEROUS\ GOODS}$ 

## **SECTION 15 Regulatory information**

Safety, health and environmental regulations / legislation specific for the substance or mixture

#### **SECTION 16 Other information**

#### Other information

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. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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Celtra Duo Celtra Press CEREC Tessera Celtra CAD

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name Celtra Duo

Celtra Press CEREC Tessera Celtra CAD

REACH Registration No.: if available listed in Chapter. 3

## 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant applications identified For dental use only.

#### 1.3. Details of the supplier of the safety data sheet

Company DeguDent GmbH

Postfach 1364 D-63403 Hanau

Telephone +49 (0)6181/59-5576 Telefax +49 (0)6181/59-5879

Email address SDB.Degudent-DE@dentsplysirona.com

## 1.4. Emergency telephone number

Emergency information +49 (0)6181/59-50 (This telephone number is available during office

hours only.)

#### **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

## Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not a hazardous mixture according to Regulation (EC) No 1272/2008.

## 2.2. Label elements

#### Labelling as per (EU) 1272/2008

Statutory basis Labelling not required according to EU-CLP Ordinance (1272/2008).

## 2.3. Other hazards

In case product dust is released:, Risk of infection of the lung after prolonged inhalation of dust particles.

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

## **SECTION 3: Composition/information on ingredients**

## **Chemical nature**

Ceramics, The mixture contains:, Vitreous porcelain

#### 3.1. Substances

-

#### 3.2. Mixtures

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Dentsply Sirona

## **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

#### Inhalation

In case product dust is released:

Remove to fresh air.

#### Skin contact

In case product dust is released:

Wash off with plenty of water.

#### Eye contact

In case product dust is released:

Rinse thoroughly with plenty of water keeping eyelid open.

If eye irritation persists, consult a specialist.

## Ingestion

Have the mouth rinsed with water.

In case of discomfort: Supply with medical care.

#### 4.2. Most important symptoms and effects, both acute and delayed

## **Symptoms**

None known

#### Hazards

None known

## 4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

#### **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

Suitable extinguishing media: All extinguishing substances suitable.

## 5.2. Special hazards arising from the substance or mixture

Do not inhale decomposition gases or noxious gases.

## 5.3. Advice for firefighters

Extinction measures are to be adjusted to the specific location.

The product itself does not burn.

No special protective equipment required.

## **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

In case product dust is released:

Do not breathe dust.

## 6.2. Environmental precautions

Introduction into soil, natural water bodies or sewerage must be prevented.

#### 6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment.

Dispose of absorbed material in accordance with the regulations.

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## 6.4. Reference to other sections

Wear personal protective equipment; see section 8.

Disposal considerations; see section 13.

## **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

In case product dust is released:

Do not breathe dust.

No special measures are necessary if properly handled.

If dust occurs:

Personal protective equipment

#### 7.2. Conditions for safe storage, including any incompatibilities

## Advice on protection against fire and explosion

Normal measures for preventive fire protection.

#### Storage

Keep container tightly closed and dry.

#### German storage class

13 - Non Combustible Solids

#### 7.3. Specific end use(s)

We are unaware of any specific end uses which go beyond the data reported in Section 1.

## **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

#### 8.2. Exposure controls

#### **Engineering measures**

In case product dust is released:, Local ventilation.

## Personal protective equipment

## Respiratory protection

In case product dust is released:, Do not breathe dust., Dust mask according to EN 149 FFP3

## Hand protection

No special protective equipment required.

# Eye/face protection

Safety glasses with side-shields, If dust occurs: basket-shaped glasses

## Skin and body protection

No particular measures required.

## Hygiene measures

Do not eat, drink, smoke, or sniff while at work. Wash your hands and/or face before breaks and before termination of work.

## **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Appearance

Form cylinder, blocks

Colour depending on staining result

Odour odourless

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Odour threshold: not applicable

рΗ not applicable

(solid)

Melting point/range not applicable

Boiling point/range not applicable

(solid)

Flash point does not flash

Evaporation rate not applicable

not flammable Flammability (solid, gas)

Lower explosion limit not applicable

Upper explosion limit not applicable

Vapour pressure not applicable

Vapour density not applicable

ca. 2,5 g/cm3 Density

Water solubility insoluble

Partition coefficient: n-

octanol/water

not applicable

Autoinflammability

Not capable of spontaneous combustion or heating.

Thermal decomposition not applicable

Viscosity, dynamic not applicable

Viscosity, kinematic not applicable

Explosiveness not applicable

Oxidizing properties not oxidizing

#### 9.2. Other information

Other information No further physicochemical data were determined.

## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

no data available

## 10.2. Chemical stability

The product is chemically stable.

## 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

No dangerous reactions known.

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#### 10.4. Conditions to avoid

No limitations

## 10.5. Incompatible materials

None known.

#### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## **SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

No results of animal experiments with the product available.

Acute oral toxicity no data available

Acute inhalation toxicity no data available

Acute dermal toxicity no data available

Skin irritation no data available

Eye irritation no data available

Sensitization no data available

Repeated dose toxicity no data available

Assessment of STOT single

exposure

No data available

Assessment of STOT repeat

exposure

No data available

Risk of aspiration toxicity

not applicable

Mutagenicity assessment

no data available

Carcinogenicity

No data available

Toxicity to reproduction

No data available

Human experience

Health injuries are not known or expected under normal use.

Further information

No hazardous reactions are known if properly handled and stored., Risk of

infection of the lung after prolonged inhalation of dust particles.

## **SECTION 12: Ecological information**

#### 12.1. Toxicity

No ecotoxicological data is available for this product.

## 12.2. Persistence and degradability

Biodegradability no data available

# 12.3. Bioaccumulative potential

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Bioaccumulation no data available

12.4. Mobility in soil

Mobility No data available

#### 12.5. Results of PBT and vPvB assessment

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

#### 12.6. Other adverse effects

Further Information No data can be given because of insolubility in water.

Do not allow to reach the sewage system, the ground or natural water

bodies.

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

#### **Product**

Disposal according to local authority regulations.

## **Uncleaned packaging**

Disposal according to local authority regulations.

# **SECTION 14: Transport information**

Not dangerous according to transport regulations.

14.1.	UN number:	
14.2.	UN proper shipping name:	
14.3.	Transport hazard class(es):	
14.4.	Packing group:	
14.5.	Environmental hazards:	
14.6	Special precautions for user:	No

## **SECTION 15: Regulatory information**

# 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture National legislation

## 15.2. Chemical safety assessment

Chemical safety assessment No Chemical Safety Report as per Articles 2(8), 2(9) or 14 of the REACH Regulatione is required for this product.

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#### **SECTION 16: Other information**

Classification and applied procedure to derive the classification of mixtures according to EU Regulation (EC) No. 1272/2008 (CLP)

#### **Further information**

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Legend

ADR European Agreement concerning the International Carriage of Dangerous Goods by

Road

**ADN** European Agreement concerning the International Carriage of Dangerous Goods by

Inland Waterways

**ASTM** American Society for Testing and Materials

ATP Adaptation to Technical Progress

**BCF** Bioconcentration factor

BetrSichV German Ordinance on Industrial Safety and Health

**c.c.** closed cup

CAS Chemical Abstract Services

**CESIO** European Committee of Organic Surfactants and their Intermediates

**ChemG** German Chemicals Act

**CMR** carcinogenic-mutagenic-toxic for reproduction

**DIN** German Institute for Standardization

**DMEL** Derived minimum effect level

**DNEL** Derived no effect level

**EINECS** European Inventory of Existing Commercial Chemical Substances

EC50 half maximal effective concentration

GefStoffV German Ordinance on Hazardous Substances

GGVSEB German ordinance for road, rail and inland waterway transportation of dangerous

aoods

**GGVSee** German ordinance for sea transportation of dangerous goods

GLP Good Laboratory Practice
GMO Genetic Modified Organism

IATA International Air Transport Association
 ICAO International Civil Aviation Organization
 IMDG International Maritime Dangerous Goods
 ISO International Organization For Standardization

**LOAEL** Lowest observed adverse effect level

LOELLowest observed effect levelNOAELNo observed adverse effect levelNOECno observed effect concentration

**NOEL** no observed effect level

o. c. open cup

OECD Organisation for Economic Cooperation and Development

OEL Occupational Exposure Limit
PBT Persistent, bioaccumulative, toxic

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PREC Predicted effect concentration
PNEC Predicted no effect concentration

**REACH** REACH registration

RID Convention concerning International Carriage by Rail

**STOT** Specific Target Organ Toxicity **SVHC** Substances of Very High Concern

TA Technical Instructions

**TPR** Third Party Representative (Art. 4)

TRGS Technical Rules for Hazardous Substances
VCI German chemical industry association
vPvB very persistent, very bioaccumulative

**VOC** volatile organic compounds

VwVwS German Administrative Regulation on the Classification of Substances Hazardous to

Waters into Water Hazard Classes

WGK Water Hazard Class
WHO World Health Organization