

SAFETY DATA SHEET (EC 1907/2006)**Ceramco iC Universal Paste Opaque****DeguDent**

A Dentsply International Company

Material no.		Version	1.1 / GB
Specification	172704	Revision date	20.12.2010
VA-Nr		Print Date	19.01.2011
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name	Ceramco iC Universal Paste Opaque
Company	DeguDent GmbH Postfach 1364 D-63403 Hanau
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Telefax	+49 (0)6181/59-5879
Email address	SDB@degudent.de
Emergency telephone number	+49 (0)180 / 23 24-555

Use of the Substance / Preparation For dental use only.

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

2. HAZARDS IDENTIFICATION**Classification as per Directive 67/548/EC or Directive 1999/45/EC**Xn, Harmful
R22: Harmful if swallowed.**Other Hazards**

Eyes May cause eye irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**The preparation contains:
sodium aluminium silicate, highly dispersive, amorphous**Information on ingredients / Hazardous components as per Directive 67/548/EC or Directive 1999/45/EC**

• glycerol	0% - 17%
CAS-No. 56-81-5	EC-No. 200-289-5
• Zirconium dioxide	5% - 25%
CAS-No. 1314-23-4	EC-No. 215-227-2
• 2,2'-oxybisethanol; diethylene glycol	35% - 50%
CAS-No. 111-46-6	EC-No. 203-872-2
Xn; R22	

See chapter 16 for text of risk phrases

4. FIRST AID MEASURES**Inhalation**Move victims into fresh air.
In case of discomfort: Supply with medical care.

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Skin contact

Wash off with plenty of water and soap immediately.
In case of discomfort: Supply with medical care.

Eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
In case of discomfort: Consult an ophthalmologist.

Ingestion

Have the mouth rinsed with water.
Never give anything by mouth to an unconscious person.
Do not induce vomiting
Consult a physician immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

quenching powder, carbon dioxide, quenching foam

Special hazards arising from the substance or mixture

May be released in case of fire: toxic gases/vapours.

Special protective equipment for fire-fighters

In case of fire: full protective suit and wear a self contained respiratory apparatus

Advice for firefighters

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

Environmental precautions

No special environmental precautions required.
Do not allow substance to enter soil, bodies of water or sewage canals.

Methods and material for containment and cleaning up

Ensure sufficient ventilation.
Pick up mechanically. Collect in suitable containers.
Flush away with water

Additional advice

Dispose of contaminated material as a waste in a correct manner.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling

Avoid contact with skin, eyes and clothing.
Do not breathe vapours.
Ensure sufficient ventilation.
Wear suitable protective clothing and gloves.
Upon skin contact, wash with plenty of water and soap.
Keep container tightly closed.

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Storage**Advice for firefighters**

Keep tightly closed in a dry and cool place.
Avoid sources of ignition.
Keep away from heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

• 2,2'-oxybisethanol; diethylene glycol			
CAS-No.	111-46-6	EC-No.	203-872-2
Control parameters	23 ppm 101 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
• glycerol			
CAS-No.	56-81-5	EC-No.	200-289-5
Control parameters	10 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Mist.		
• Zirconium dioxide			
CAS-No.	1314-23-4	EC-No.	215-227-2
Control parameters	5 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
Control parameters	10 mg/m ³		Short Term Exposure Limit (STEL):(EH40 WEL)

Engineering measures

Ensure that there is suitable air extraction / ventilation in the workplace or at the working machines. If necessary extractor suction on specific objects.

Personal protective equipment**Hand protection**

suitable protective gloves: e.g. rubber gloves, PVC gloves

Eye protection

safety goggles with side-shields.

Skin and body protection

Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	paste
Odour	odourless

Information on basic physical and chemical properties

pH	n.a.
Melting point/range	n.a.
Boiling point/range	n.a.
Flash point	n.a.
Autoinflammability	n.a.

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Lower explosion limit	n.a.	
Upper explosion limit	n.a.	
Vapour pressure	n.a.	
Density	2.4 - 2.8 g/cm ³	(20 °C)
Water solubility	practically insoluble	
Viscosity, dynamic	n.a.	

10. STABILITY AND REACTIVITY

Conditions to avoid	None known.
Incompatible materials	reducing agents, strong oxidant
Hazardous decomposition products	Hazardous decomposition products carbon monoxide, carbon dioxide, acrolein
Further information	Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 Rat: 15600 mg/kg related to substance: diethylene glycol
	LD50 Rat: 1960 mg/kg related to substance: Glycerin
Acute dermal toxicity	LD50 Rabbit: > 4640 mg/kg related to substance: Glycerin
Skin irritation	Frequent and continual skin contact can cause skin reaction (skin irritation).
Eye irritation	May be irritating on frequent or long-term contact.
Repeated dose toxicity	Danger of serious damage to health by prolonged exposure.
Further information	Ingestion or inhalation of high concentrations may cause injuries to gastrointestinal tract, liver, kidneys and central nervous system. Vomiting, diarrhoea, lower abdominal pain. The uptake of large amounts may be harmful.

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish	LC50 Fathead minnow: 44000 mg/l / 96 h related to substance: Glycerin
	LC50 Carassius auratus (goldfish): > 5000 mg/l / 96 h

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related to substance: Glycerin

13. DISPOSAL CONSIDERATIONS**Product**

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

14. TRANSPORT INFORMATION**Transport/further information**

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION**Labelling according to EC Directives****hazard-defining component(s)**

- 2,2'-oxybisethanol; diethylene glycol

Symbol(s)	Xn	Harmful
R-phrase(s)	R22	Harmful if swallowed.
S-phrase(s)	S46	If swallowed, seek medical advice immediately and show this container or label.

National legislation

16. OTHER INFORMATION**Risk phrase (R phrase) texts**

- **2,2'-oxybisethanol; diethylene glycol**
R22 Harmful if swallowed.

Further information

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

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.