

Date of print: 2011-06-28
 Date of last alteration: 2011-05-31 - Version: 2.0 English
 Art. -No., product name: 5003 STIC



1 Identification of the substance or preparation and of the company


- 1.1 Identification of the substance/the preparation:
 Commercial Product Name: STIC
- 1.2 Use of the substance/the preparation: Professional.
 Provisional filling material for use in dentistry.
- 1.3 Company / undertaking identification:
 Manufacturer / distributor: Medicept UK Ltd
 Street / POB-No.: 2nd Floor, Hygeia House,
 State / postal code / city: 66 College Road, Harrow,
 Telephone: Middlesex, HA1 1BE, United Kingdom.
 E-Mail: info@mediceptdental.co.uk
- 1.4 Emergency number: +44-(0)1923-251327
 This number is only obtainable during office hours (Monday -
 Thursday 8.00 a.m. - 5.00 p.m., Friday 8.00 a.m. - 4.00 p.m.).

2 Hazards identification

- 2.1 Classification
 Classification (67/548/EEC, 1999/45/EC):

R-Phrases	Indication
R 50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- 2.2 Labelling
 Labelling (67/548/EEC, 1999/45/EC):

	N	Environmentally hazardous
---	---	---------------------------


R-Phrases	Indication
R 50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-Phrases	Indication
S 60	This material and its container must be disposed of as hazardous waste.
S 61	Avoid release to the environment. Refer to special instructions / Safety data sheets.

Hazardous ingredients (Labelling according to EC): Contains Zinc oxide.



3 Composition / information on ingredients

- 3.1 Chemical characterisation (preparation):
 Description: Dental temporary filling cement.
- 3.2 Hazardous ingredients

Ingredient	CAS-No.	EC-No.	Index-No.	Concentration	Hazard symbols	R-Phrases
Zinc oxide	1314-13-2	215-222-5	030-013-00-7	20 - 40%		50/53

Date of print: 2011-06-28
 Date of last alteration: 2011-05-31 - Version: 2.0 English
 Art. -No., product name: 5003STIC



Ingredient	CAS-No.	EG-No.	Index-No.	Concentration	Hazard symbols	R-Phrases
Zinc sulphate	7446-19-7	231-793-3	030-006-00-9	< 10%	 	22-41-50/53

3.3 Further information: The identification letters and the R-Phrases are described in section 16.

4 First aid measures

- 4.1 General information: In case of persistent complaints, seek medical advice (if possible, show the label or this MSDS). Take off all contaminated clothing.
- 4.2 After inhalation: Move to fresh air. In case of persistent irritation, seek medical advice.
- 4.3 After contact with the skin: Remove the product mechanically by means of a cloth or paper. Wash with plenty of water and soap. In case of visible skin reaction or complaints, seek medical advice (if possible, show the label or this MSDS).
- 4.4 After contact with the eyes: Rinse the open eyes immediately with plenty of water for at least 15 minutes, seek immediately medical advice.
- 4.5 After swallowing: Immediately rinse mouth well with water and drink plenty of water. If you feel unwell, seek medical advice.
- 4.6 Autoprotection of the first assistant: Take care of a sufficient autoprotection (hand protection, foil mask "Life key").

5 Fire fighting measures

- 5.1 Suitable extinguishing media: The product itself is not combustible. Extinguishing media depend on environmental fire.
- 5.2 Extinguishing media which must not be used for safety reasons: Depending on the combustible materials in the surrounding area.
- 5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: ZnO-fumes and sulphur oxides may occur. Do not breathe combustion gases.
- 5.4 Special protective equipment for fire fighting: Use respiratory protection independent of recirculated air.
- 5.5 Further information: Collect contaminated extinguishing water separately. Prevent it running into in-shore waters, ground water and earth.

6 Accidental release measures

- 6.1 Personal precautions: If material is accidentally spilled, refer to the possible danger of skidding. Do not pass through the spilled material.
- 6.2 Environmental precautions: Keep away from sewage treatment plants, in-shore waters and earth. Observe local byelaws.
- 6.3 Methods for cleaning up: Pick up the product mechanically by means of a cloth or paper and collect it in a suitable container, labelled according to regulations (for disposal see section 13).

Date of print: 2011-06-28
 Date of last alteration: 2011-05-31 - Version: 2.0 English
 Art. -No., product name: 5003STIC



7 Handling and storage

- 7.1 Handling:
- Precautions for safe handling: The usual precautions in handling with chemicals are to be observed. When using to not eat, drink or smoke. Avoid contact with eyes.
- Precautions against fire and explosion: Remove all containers not yet affected by fire. Cool endangered containers with water mist or cover them with foam.
- 7.2 Storage:
- Conditions for storage rooms and vessels: Keep the product in the original container in a cool and dry place, away from foodstuffs.
- Advice for storage of incompatible materials: Keep away from acids and lyes.
- Further information for storage:
- Storage class (Germany): 13 (Non-flammable solid substances).
 Keep at temperature not exceeding 25 °C / 77 °F.
 Keep away from humidity.
- 7.3 Definite use: Dental provisional filling cement for use by trained specialist staff.

8 Exposure controls and personal protection

- 8.1 Exposition limit values:
- Associate substances with specific control parameters such as limit values
- Recommendations of the MAK-Commission:
- Zinc oxide fume
 1 mg/m³
 with reference to the alveolar fraction.
 Peak limitation: Excursion factor 1; duration 15 min, mean; 4 times per shift; interval 1 hour.
- 8.2 Limitation and control of the exposition
- 8.2.1 Limitation and control of the exposition at the place of work: Exposition limit values must be supervised by means of appropriate analytical equipment.
- General protection and hygiene measures: The usual precautions in handling with chemicals must be respected. When using to not eat, drink or smoke. Take off all contaminated clothing.
- Personal protection equipment:
- Respiratory protection: Under the usual working conditions not necessary.
- Hand protection: Protective gloves are recommended, e.g. such as gloves of nitrile rubber.
- Eye protection: To avoid mechanical injuring of the eyes, wear protective glasses.
- Body protection: Wear working clothing.
- 8.2.2 Limitation and control of the environmental exposition: Prevent the material getting into in-shore waters and earth.

9 Physical and chemical properties

- 9.1 Appearance
- Form: paste
- Colour: white
- Odour: almost odourless
- 9.2 Important information on health and environmental protection and on safety
- | | | |
|----------------------------|------|-----------|
| pH-value | n.a. | |
| Boiling point | n.a. | DIN 51356 |
| Flash point | n.a. | DIN 51755 |
| Ignition temperature | n.a. | DIN 51794 |
- Method (67/ 548/EEC)



Medicept
DENTAL

9.3 Further information:
Thermal decomposition: not tested

10.1	Conditions to avoid:	Moisture uptake causes a quality defect of the paste.
10.2	Materials to avoid:	Reacts with acids and lyes forming the corresponding salts, -complexes.
10.3	Hazardous decomposition products:	No decomposition, if stored and handled in accordance with standard industrial practices. In case of fire, ZnO-fumes and sulphur oxides may occur.

11.0 General information:	According to present experience, the material shows no health risk if handled appropriately, observing the usual hygiene at place of work.
---------------------------	--

11.1 Toxicological tests			
Acute toxicity			
Acute oral toxicity	(LD ₅₀):	species rat	> 15 000 mg/kg
		origin: literature	
		these data refer to the ingredient zinc oxide.	
Acute inhalative toxicity	(LC ₅₀):	species rat	5.7 mg/l 4 hours
		origin: literature	
		these data refer to the ingredient zinc oxide.	

12.1	Ecological toxicity: Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):	Do not introduce into purification plants.
12.2	Mobility:	No data available.
12.3	Persistence and degradability Biodegradation / further information:	May cause long-term adverse effects in the aquatic environment.
12.4	Potential of biological accumulation:	No data available.
12.5	Other harmful effects:	Very toxic to aquatic organisms.
12.6	Further ecotoxicological effects:	Avoid escape into water, drainage, sewer, or the ground. Do not dispose of to a public disposal site.

13.1 Waste management (product):	Recommendation: Dispose of according to regulations by handing over to a special waste disposal company. Observe the local byelaws.
European Waste Catalogue Ref.No.:	Please ask your local waste disposal company about the correct Ref.No. according to the European Waste Catalogue.
13.2 Contaminated packaging:	Recommendation: Fully empty containers (scraped carefully).

Date of print: 2011-06-28
 Date of last alteration: 2011-05-31 - Version: 2.0 English
 Art. -No., product name: 5003STIC



Containers may be recycled or re-used.
 Uncleaned containers must be disposed of as hazardous waste.
 Observe local/national byelaws.

14 Transportation information

- 14.1 Land transportation ADR/RDI and GGVS/GGVE:
- GGVS/GGVE-class..... : 9 cl.-code M7
 ADR/RID-class..... : 9 cl.-code M7
 Transportation emergency card number: 9 + Label ENVIRONMENTAL POLLUTANT
 Warning board - Hazard No.: 90 Substance No.: 3077 PG: III
 Nomenclature..... : Environmentally hazardous substance, solid, n.o.s.
 Further information..... : Contains zinc oxide
 Tunnel restriction code : E
 Limited Quantities : 5 kg / 30 kg
- 14.2 Inland navigation ADN/ADNR:
- Further information: No data available.
- 14.3 Transportation by sea IMDG/GGVsea:
- IMDG/GGVsea-class .. : 9 Label 9 + Label MARINE POLLUTANT UN-No.: 3077 PG: III
 EmS-No..... : F-A, S-F
 Marine pollutant : P
 Proper shipping name.. : Environmentally hazardous substance, solid, n.o.s.
 Technical name..... : Contains zinc oxide
 LTD. QTY..... : 5 kg / 30 kg
- 14.4 Air transportation ICAO-TI and IATA-DGR transportation by air:
- ICAO/IATA-class..... : 9 Label 9 + Label ENVIRONMENTAL POLLUTANT UN-No.: 3077
 PG: III Page: 320 (52 edition)
 Proper shipping name.. : Environmentally hazardous substance, solid, n.o.s.
 Technical name..... : Contains zinc oxide
 Packing regulations..... : PAC: 956 Max. net.: 400 kg
 CAO: 956 Max. net.: 400 kg
 EQ E1..... : 30 g / 1 kg
 LTD.QTY..... : 30 kg gross weight (Y956)

15 Regulatory information

- 15.1 National regulations (Germany):
- Observe local/national byelaws.
- Information for labelling is given in section 2 of this document.
- Occupational restrictions: Observe the restrictions on juvenile employment as defined in the „Jugendarbeitsschutzgesetz“.
- Observe the restrictions on the employment of expectant and nursing mothers as defined in the „Mutterschutzverordnung“.
- Classification of possible adverse effects in the aquatic environment (Wassergefährdungsklasse):
- Class 2 (adverse effects in the aquatic environment).

16 Other information

- 16.1 Wording of the R-phrases under section 3:
- R-Phrases and identification letters
- R-Phrases:
- R 22 Harmful if swallowed
 R 41 Risk of serious damage to eyes
 R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Identification letters:
- N Environmentally hazardous
 Xn Harmful

Date of print: 2011-06-28
Date of last alteration: 2011-05-31 - Version: 2.0 English
Art. -No., product name: 5003 STIC

**16.2 Further information**

Explanation of the abbreviations:

n.a. = not applicable

n.s. = not subject to

16.3 Literature register

Richtlinie 1999/45/EG für die Einstufung, Verpackung und Kennzeichnung gefährlicher Zubereitungen

Richtlinie 67/548/EWG für die Einstufung, Verpackung und Kennzeichnung gefährlicher Stoffe, Anhang I

Neue Datenblätter für gefährliche Arbeitsstoffe nach der Gefahrstoffverordnung, WEKA-Verlag, Loseblattsammlung mit Ergänzungslieferungen

Sicherheitstechnische Kenndaten chemischer Stoffe, ecomed-Verlag, Loseblattsammlung mit Ergänzungslieferungen

Handbuch der Abfallentsorgung, ecomed-Verlag, Loseblattsammlung mit Ergänzungslieferungen

Erste Allgemeine Verwaltungsvorschrift zum Bundes-Immissionsschutzgesetz (Technische Anleitung zur Reinhaltung der Luft – TA Luft)

VCI: Leitfaden für die Zusammenlagerung von Chemikalien

DFG Deutsche Forschungsgemeinschaft: MAK- und BAT-Werte – Liste 2007

Allgemeine Verwaltungsvorschrift zur Änderung der Verwaltungsvorschrift wassergefährdender Stoffe - VwVwS vom 27. Juli 2005

Safety data sheets and further information from manufacturers / distributors

BGIA GESTIS-Stoffdatenbank, Online research

ADR 2011, Verkehrsverlag Fischer Düsseldorf

IMDG-Code 2011, Amendment 35-10, Verkehrsverlag Fischer Düsseldorf

IATA Gefahrgutvorschriften, 52. Ausgabe, International Air Transport Association Montreal

16.4 Product:

The given information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations.

This Safety Data Sheet has been adjusted to the Directive (EC) 453/2010.