Material Safety Data Sheet

according to 1907/2006/EC

Date of issue: 2008-03-19 replacing issue 2007-02-12

*1. Identification of substance/preparation and company

Product details/Trade name:

Harvard Cement normal setting, powder

Harvard Cement quick setting, powder

Application of the substance/the preparation:

Dental cement

Manufacturer/Supplier:

Harvard Dental International GmbH
Margaretenstr. 2-4
15366 Hoppegarten, Germany
phone: +49(0)30 99 28 978-0 / fax: +49(0)30 99 28 978-19
e-mail: info@harvard-dental-international.de

Informing department:

Quality Management: phone: +49(0)30 99 28 978-0

2. Hazard identification

Hazard designation:

N Dangerous for the environment

Information pertaining to particular dangers for man and environment

The product has to be labelled due to the “General Classification guideline for preparations of the EU” in the latest valid version

R51/53 Toxic to aquatic organism, may cause long-term adverse effects in the aquatic Environment

3. Composition/Data of components

Chemical characterisation:

- Description: Composition of zinc oxide with harmless components.

Hazardous Components	CAS	EINECS	Hazard Symbol	Content
Zinc oxide	1314-13-2	215-222-5	N R50/53	> 75 %

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4. First aid measures

General information: No special measures required

- **After skin contact:** After prolonged skin contact, wash with water and soap
- **After eye contact:** Rinse opened eye with running water for several minutes, seek medical attention
- **After swallowing:** Induce vomiting and seek advice of a doctor

5. Fire fighting measures

Suitable extinguishing agents: Void

Protective equipment: No special measures required

6. Accidental release measures

Person-related safety precautions: Not required

Measures for environmental protection: Inform respective authorities in case lager amounts of product reach water or sewage systems

Measures for cleaning/collecting: Pick up mechanically

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7. Handling and storage

Handling:
- **Information for safe handling:** No special measures required.
- Information about protection against explosions and fires: No special measures required.
Storage:
- Requirements to be met by storerooms: No special measures required.

8. Exposure controls and personal protection

Information ablout critical values that require monitoring at the workplace:

Components with critical values that require monitoring at the workplace	
1314-13-2 zinc oxide	
General limit value of dust	10 mg/m³

Personal protective equipment:
- **General protective and hygienic measures:**
Do not store together with foods
Wash hands before breaks and at the end of work
- Breathing equipment: Not required
- Protection of hands: Not required
- Eye protection: Not required
- Body protection: Light weight protective clothing

9. Physical and chemical properties

Form:	Powder
Colour:	Whitish
Odour:	Odourless
pH-value:	Not applicable
Boiling point/Boiling range:	Not applicable
Melting point/Melting range:	> 1200 ºC
Flashpoint:	Not applicable
Auto igniting:	Not self igniting
Danger of explosion:	Not applicable
Bulk density:	500 kg/m³
Solubility in/Miscibility with water:	Not soluble

10. Stability and reactivity

Conditions to be avoided: No decomposition when used properly
Hazardous reactions: No hazardous reactions, when used as directed
Hazardous products of decomposition: No hazardous products of decomposition

11. Toxicological information

Acute toxicity: To our knowledge, there are no effects injurious to health when the product is used as directed
Primary irritant effects: No primary irritant effects

12. Ecological information

General notes:
The product is practically not soluble in water.
Water hazard class 2 (self-assessment): Hazardous for water
Do not allow product to reach ground water, water course or sewage system

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13. Disposal considerations

Product:
- Recommendation: Must not be disposed of together with household garbage
Uncleaned packaging:
- Recommendation: Dispose according to local regulations

14. Transport information

Land transport ADR/RID:

- UN-Number:	UN 3077
- Class:	9 (M7) Miscellaneous dangerous substances and articles
- **Proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)
- Packing group:	III
- Kemler Number:	90

Maritime transport IMDG/GGV Sea:

- UN-Number:	UN 3077
- Class:	9
- **Proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)
- Packing group:	III
- **EMS-Number:**	F-A, S-F
- **Marine pollutant:**	No

Air transport IATA-DGR:

- UN/ID-Number:	UN 3077
- Class:	9
- Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)
- Packing group:	III

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15. Regulatory information

Designation according to EC-Directives:
The product has been classified in accordance with EC Directives/Ordinance on Hazardous Materials (GefStoffV)
Code letter and hazard designation of product:
N Dangerous for the environment
Risk phrases:
51/53 Toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment

16. Other information

These data are based on the present state of our knowledge. However, they shall not constitute a warranty for any specific product feature and shall not establish a legally valid contractual relationship.

* Data compared to the previous version altered