

Material Safety Data Sheet

according regulation (EC) No 1907/2006 (REACH)



Identification : Colorstone_SH
Article no.: 5000
Version : 1. Juli 2007
Print date : 14/09/2010

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01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Colorstone_SH

Use of the substance/preparation:

Dental stone

Company/undertaking identification: Feguramed GmbH, Jahnstr. 2, D – 74722 Buchen-Hettingen, GERMANY

Technical information: Anwendungstechnik (Telefon +49(0)6281/5227-0)

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02. HAZARDS IDENTIFICATION

Hazard identification and hazards to man and the environment

Avoid generation of dust.

03. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Calcium sulphate hemi hydrate

Hazardous ingredients

Chemical name	Concentration [% by weight]	CAS No.	Index No.	R phrases	Hazard symbols
CaSO ₄ * 1/2 H ₂ O	50 - 100	10034-76-1			

Ingredients with EC concentration limits

-

Please see chapter 16. OTHER INFORMATION for the wording of the above mentioned R phrases.

04. FIRST AID MEASURES

Inhalation

Move exposed person to fresh air immediately.

Eye contact

Rinse thoroughly with water. Consult a doctor.

Skin contact

Wash with plenty of cold water.

Ingestion

Rinse mouth. Drink water. Never try to induce vomiting.

05. FIRE-FIGHTING MEASURES

Suitable extinguishing media

CO₂, foam, water spray, powder

Extinguishing media which shall not be used for safety reasons

strong water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

This material is not combustible.

Special protective equipment for fire-fighters

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06. ACCIDENTAL RELEASE MEASURES

Personal precautions and methods for cleaning up

When spilled, wipe up immediately. Avoid generation and inhalation of dust!

Environmental precautions

Please see chapters 08. EXPOSURE CONTROLS/PERSONAL PROTECTION and 13. DISPOSAL CONSIDERATIONS

07. HANDLING AND STORAGE

Precautions for safe handling and conditions for safe storage

Store containers tightly closed. Avoid contact with moist air or water. In case of dust formation, use exhausting device.

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08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values and/or biological limit values

Minimisation of exposure and exposure control

a) Equipment for individual protection

The type of equipment for individual protection has to be chosen according to concentration and quantity of hazardous compounds.

Respiratory protection

Hand protection

Eye protection

goggles

Skin protection

No protective suite or boots are necessary, if the product is used as indicated.

b) Specific hygiene measures

Don't eat, drink or smoke while working with this material.

c) Environmental exposure controls

Please see chapters 06. ACCIDENTAL RELEASE MEASURES and 07. HANDLING AND STORAGE. No further methods are required.

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state: powder
Colour : white, yellow, apricot, green, light-grey, grey
Odour : odourless

Important health, safety and environmental information

Lower explosive limit :	not explosive Vol%	Upper explosive limit :	not explosive Vol%
Vapour pressure : (20 °C)	mbar	Vapour pressure : (50 °C)	mbar
Density : (20 °C)	about 2 g/cm ³	Bulk density : (20 °C)	g/cm ³
Viscosity: (20 °C)	mPa*s		
Water solubility: (20 °C)	< 3 g/l	pH value (20 °C)	6 (slurry)
Boiling point / range : (1013 mbar)	°C	Setting point: (1013 hPa)	°C
Melting point:	°C	Solidification point:	°C
Flash point :	°C	Ignition temperature :	°C

Additional physical and chemical properties are not available.

10. STABILITY AND REACTIVITY

Conditions to avoid

Thermal decomposition: Stable at ambient temperature °C

Materials to avoid

Hazardous decomposition products

Water evolves at temp. higher than 80 C and sulfur trioxide above 950 C

11. TOXICOLOGICAL INFORMATION

no data available. The toxicological classification of the preparation was made according DIRECTIVE 1999/45/EC concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

Conclusion from test data

No data available

Conclusion from experience

No data available

Information on ingredients

LD50 (oral, rat):	mg/kg (IUCLID)	LD50 (inhal., rat):	mg/l/4h (IUCLID)
Eye of Rabbit:	may cause irritation	Skin of rabbit (24 h):	no irritation

12. ECOLOGICAL INFORMATION

Ecotoxicity

TOC value:
Acute bacterial toxicity:

CSB value:
Acute toxicity on fishes:

Mobility

Persistence and degradability

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No data available
Bioaccumulative potential
No data available
Other adverse effects
No data available

No data available
Results of PBT assessment
No data available

13. DISPOSAL CONSIDERATIONS

Disposal and six-digit waste code according 2000/532/EC

Mix water and plaster and let the slurry harden.

Recommendation: Obey and follow local waste disposal regulations.

14. TRANSPORT INFORMATION

Transport by road / rail ADR/RID

Class :	Proper shipping name:
UN number:	Packing Group: -

Transport by sea IMDG/GGVSee

IMDG code :	Marine Pollutant: -
UN number :	Proper shipping name: -
EmS:	Packing Group: -

Transport by air ICAO-TI and IATA-DGR

Class :	Proper shipping name:
UN number :	Packing Group: -

15. REGULATORY INFORMATION

Label according to EC Directive

Symbols and indications of danger
Determinant ingredient for labelling
contains:
R phrases
S phrases

Other information

Hardens in contact with water.

EC Regulations

No hazardous material according to EU regulations.

Safety assessment

A safety assessment of ingredients of this preparation was not performed.

National regulations

Effects on the aquatic environment

not hazardous according to VwVwS, Annex 4 (Germany)

16. OTHER INFORMATION

Included EC Directives / Regulations

- DIRECTIVE 1999/45/EC concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.
- DIRECTIVE 2006/121/EC amending Council Directive 67/548/EEC on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances in order to adapt it to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency.
- REACH regulation (EC) No. 1907/2006

Non-statutory recommendations by supplier

Only for professional, industrial use – not for public, non-professional use.

R phrases, which are mentioned in chapter 3

References: <http://www.baua.de>
<http://www.arbeitssicherheit.de>

Changes made since the last version

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Responsible department

Safety Data Sheet, msds@feguramed.com

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any purpose other than that for which it was intended.

This does not in any way excuse the user from knowing all of the regulations covering his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

The aim of the mandatory regulations mentioned is to help the user to fulfill obligations regarding hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring the existence of legal obligations, other than those mentioned, for which he is solely responsible.