

VOCO – Material Safety Data Sheet (Directive 91/155/EEC)

In Australia, this product is hazardous (criteria of NOHSC) and not a dangerous good (ADG Code)
Poisons Schedule – none (Australia's SUSDP)

VOCO Australia, PO Box 209 Osborne Park WA 6917. Tel: 0448 102 804 / Fax: (08) 9440 1874

| 1 | <u>Names of Material, Preparation and Company</u> trade name: Calcicur manufacturer/supplier VOCO GmbH address: Anton-Flettner-Str. 1-3 D - 27472 Cuxhaven information sector: Scientific Department emergency information: Scientific Department | Tel.: +49-4721/71 9 - 0 Fax: +49-4721/71 9 - 109 Tel.: +49-47 21/71 9 - 0 emergency call: +49-47 21/71 9 - 0 | | | | | | | | | | |
|-------------------|--|---|----------------------|---------------------|----------------------|---------------------|-------------------|-----------|---------|----|-----|--|
| 2 | <u>Composition/Details on Components</u> preparation: Mixture of calcium hydroxide, water, cellulose derivatives and barium sulfate description: ready-to-use radiopaque water-based calcium hydroxide for direct pulp capping and temporary root canal filling hazardous ingredients: <table><thead><tr><th>name</th><th>CAS-No.</th><th>content</th><th>danger symbol</th><th>R-categories</th></tr></thead><tbody><tr><td>calcium hydroxide</td><td>1305-62-0</td><td>40-45 %</td><td>Xi</td><td>R41</td></tr></tbody></table> | name | CAS-No. | content | danger symbol | R-categories | calcium hydroxide | 1305-62-0 | 40-45 % | Xi | R41 | |
| name | CAS-No. | content | danger symbol | R-categories | | | | | | | | |
| calcium hydroxide | 1305-62-0 | 40-45 % | Xi | R41 | | | | | | | | |
| 3 | <u>Possible Risks</u> designation of risk: special details of risk (R-categories): detrimental effects/symptoms: | Xi 41 danger of serious eye damages | | | | | | | | | | |
| 4 | <u>First-Aid-Measures</u> general information: after inhalation: after skin contact: after eye contact: after swallowing: information for the attending physician: | fresh air, in case of indisposition or nausea contact a doctor rinse thoroughly with plenty of water rinse thoroughly with water, contact a doctor contact immediately a physician material for dental or laboratory use only | | | | | | | | | | |
| 5 | <u>Fire Fighting Measures</u> suitable fire extinguishing agents: unsuitable fire extinguishing agents: particular hazards: fire fighting protective equipment: | foam, carbon dioxide, powder fire extinguishers water none no data available | | | | | | | | | | |
| 6 | <u>Measures in Case of Unintended Release</u> measures related to persons: environmental measures: procedures of cleaning/uptake additional information: | avoid eye and/or skin contact do not let the material get in contact with sewerage systems take up mechanically, use common absorbents none | | | | | | | | | | |
| 7. | <u>Handling and Storage</u> | | | | | | | | | | | |
| 7.1 | handling: only by qualified staff in dental offices or dental laboratories instructions for safe handling: instructions on fire and explosion protection | see instructions for use no special measurements are required | | | | | | | | | | |
| 7.2 | Storage: demands on storerooms and containers indications and prohibitions of storage together with other materials: further details on storage conditions: | tightly closed at room temperature store in good ventilated rooms and areas do not store together with food keep out of the reach of children | | | | | | | | | | |

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|------------|---|---|-------------------------------|--------------------------|
| 8 | <u>Exposition Restriction and Personal Protective Equipment</u> | | | |
| 8.1 | additional information on the equipment of technical facilities: none | | | |
| 8.2 | components with limiting values related to place of work: | | | |
| | CAS-No. | name | kind | value unit |
| | additional information: hazards related to place of work are not known. | | | |
| 8.3 | personal protective equipment: | dental office or laboratory working clothes | | |
| | breathing protection | do not breath or inhale vapour or dust | | |
| | hand protection: | use of protective gloves is recommended | | |
| | eye protection: | use of protective glasses is recommended | | |
| | body protection: | | | |
| | protective and hygiene measures: | washing hands | | |
| 9 | <u>Physical and Chemical Properties</u> | | | |
| 9.1 | appearance: | paste | | |
| | form: | pasty | | |
| | colour: | white to slightly yellow | | |
| | odour: | nearly odourless | | |
| 9.2 | safety data: | tested acc. to: | | |
| | pH upon delivery: | | > 12 | |
| | pH of 10g/l H₂O and 20°C: | | no data available | |
| | change of state: | | no data available | |
| | boiling point/area: | | no data available °C | |
| | melting point/area: | | no data available °C | |
| | flash point: | | no data available °C | |
| | inflammability: | | no data available | |
| | ignition temperature: | | no data available °C | |
| | autoignition: | | no data available | |
| | fire advancing properties: | | no data available | |
| | explosion hazards: | | no data available | |
| | explosion limits: LEL: | | UEL: no data available | |
| | vapour pressure (°C) | | no data available | |
| | density (°C) | | no data available hPa | |
| | bulk density: | | no data available | |
| | solubility in water (20°C) (°C): | | no data available mg/l | |
| | in (°C) | | no data available mg/l | |
| | solubility in fat: | | no data available | |
| | distribution coefficient n-octanol/water: | | no data available | |
| | viscosity (°C): | | no data available | |
| | solvent separation test: | | no data available % | |
| | solvent content: | | no data available % | |
| 9.3 | further particulars: | none | | |
| 10 | <u>Stability and Reactivity</u> | | | |
| | conditions to be avoided: | acid conditions | | |
| | materials to be avoided: | strong acids and their salts | | |
| | hazardous products of decomposition: | none if used in the recommended way | | |
| | further particulars: | none | | |

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| | | | | | | |
|--|-----------------|-----------------------|----------------|-------------------|-------------------------|--|
| 11. Toxicological Data | | | | | | |
| 11.1 toxicological Test: no data available | | | | | | |
| acute toxicity: no data available | | | | | | |
| LD ₅₀ /LC ₅₀ : | component | kind | value | species | method of determination | |
| specific symptoms in animal test: | | | | no data available | | |
| irritant effect/corrosive action: | | | | no data available | | |
| sensitization: | | | | no data available | | |
| effects of repeated exposure or overexposure (subacute or chronic toxicity): | | | | no data available | | |
| carcinogenic and mutagenic effects hazardous to reproduction: | | | | no data available | | |
| other particulars: | | | | no data available | | |
| 11.2 practical experience: no data available | | | | | | |
| observations relevant to classifications: no data available | | | | | | |
| other observations: no data available | | | | | | |
| 11.3 general remarks: during long-standing product application risks have not become known. | | | | | | |
| 12 Ecological Data | | | | | | |
| 12.1 information on elimination: no data available | | | | | | |
| procedure | analytic method | degree of elimination | | classification | | |
| evaluation: no data available | | | | | | |
| additional information: no data available | | | | | | |
| 12.2 behaviour in environmental compartments: no data available | | | | | | |
| mobility and bioaccumulation potential: no data available | | | | | | |
| additional information: none | | | | | | |
| 12.3 environmental toxic effects: no data available | | | | | | |
| aquatic toxicity: no data available | | | | | | |
| organism | test period | test method | result | assessment | | |
| behaviour in sewage plants: no data available | | | | | | |
| respiratory inhibition of local vitalised sludge: no data available | | | | | | |
| 12.4 additional information: none | | | | | | |
| CSB-value: no data available mg/g | | | | | | |
| BSB ₅ -value: no data available mg/g | | | | | | |
| AOX-indication: no data available | | | | | | |
| contains the following heavy metals and compounds (corresponding to guideline 76/464/EWG) according to preparation formula: none | | | | | | |
| general information: none | | | | | | |
| 13 Disposal Instructions | | | | | | |
| 13.1 product: obey local and governmental regulations | | | | | | |
| recommendation: | waste name | | accountability | | | |
| waste category | | | | | | |
| 13.2 uncleaned packing material: obey local and governmental regulations | | | | | | |
| recommendation: obey local and governmental regulations | | | | | | |
| cleaning agents: common cleansing agents for the laboratory | | | | | | |

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| | | | |
|-------------|---|---|---------------|
| 14 | <u>Particulars on Transport</u> | | |
| 14.1 | land carriage: | | |
| | ADR/RID/GGVS/GGVE-class: | figure/letter: risk no.: | material no.: |
| | warning label: designation of goods: remarks: | | |
| 14.2 | inland transport by ship: | | |
| | ADN/ADNR-class: | figure/letter: | category: |
| | designation of goods: remarks: | | |
| 14.3 | see transport: | | |
| | IMDG/GGV sea class: | UN-No.: | PG: |
| | EMS: | MFAG: | |
| | marine pollutant: correct technical name: remarks: | | |
| 14.4 | air transport: | | |
| | ICAO/IATA-class: | UN/ID-No.: | PG: |
| | correct technical name: remarks: | | |
| 14.5 | further particulars: | No hazardous goods within the meaning of transport regulations | |
| 15 | <u>Regulation</u> | | |
| 15.1 | marking: | acc. to governmental regulations concerning declaration of dangerous chemicals no marking is prescribed | |
| | danger symbol and designation: | Xi | |
| | contains: | calcium hydroxide | |
| | R-categories: | 41 | |
| | S-categories: | 22-24-26-39 | |
| | special marking of particular preparations: | none | |
| 15.2 | national regulations: | acc. to article 10 of Directive 66/379 EEC and 67/548 EEC | |
| | restrictions of employment: | none | |
| | instructions in case of interference: | none | |
| | classification acc. VbF: | not applicable | |
| | technical instruction air: | not applicable | |
| | water pollution class: | 1 | |
| | other regulations, restrictions and prohibitions: | Directive 91/155 EEC; medical product acc. to 93/42 EEC (medical products). | |
| 16 | <u>Other Particulars</u> | | |
| | All information above has been given according to our present state of knowledge. It has been compiled to the best of our knowledge. The above -mentioned data do not represent a guarantee on characteristics. They only describe the safety requirements with regard to our products. They do not represent an assurance of product characteristics in the meaning of guarantees. | | |