

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 21.04.2020

Vers.: 7

Revision: 21.04.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

· Trade name: **Chemichl AG – Dental ceramic InSync MC**

· CAS Number:
85422-94-2

· 1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

· Life cycle stages PW Widespread use by professional workers

· Application of the substance / the mixture

Intermediate for dental ceramic restoration

Alkali-alumo-silicate-matrix with more oxidized, homogeneous bond components as well as oxidized bond color pigments, opacifying agent and fluorescence material

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Chemichl AG
Landstrasse 114
FL-9490 Vaduz - Liechtenstein
Tel.: +423 237 76 20
Fax: +423 237 76 21
Mail: customer-service@chemichl.com
Web: <http://www.chemichl.com>

· Further information obtainable from:

Scientific Service:
Mo - Fr. 8:00 - 15:00
scientific-service@chemichl.com

· 1.4 Emergency telephone number:

Tox info Suisse Emergency number: 145

1 800 222 1222 (USA - National Poisons Emergency number)

poison control center Berlin: +49 30 1 92 40

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008
The substance is not classified, according to the CLP regulation.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008 Void

· Hazard pictograms Void

· Signal word Void

· Hazard statements Void

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

(Contd. on page 2)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 21.04.2020

Vers.: 7

Revision: 21.04.2020

Trade name: Chemichl AG – Dental ceramic InSync MC

(Contd. of page 1)

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.1 Chemical characterisation: Substances**

· **CAS No. Description**

85422-94-2 Glass

· **Description:**

Intermediate for dental ceramic restoration

Alkali-alumo-silicate-matrix with more oxidized, homogeneous bond components as well as oxidized bond color pigments, opacifying agent and fluorescence material

· **Dangerous components:** Void

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:**



No special measures required.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:**

Rinse opened eye for several minutes under running water.

If symptoms persist consult doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

· **5.3 Advice for firefighters**

· **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Avoid formation of dust.

(Contd. on page 3)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 21.04.2020

Vers.: 7

Revision: 21.04.2020

Trade name: Chemichl AG – Dental ceramic InSync MC

(Contd. of page 2)

· **6.2 Environmental precautions:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.

· **6.4 Reference to other sections**

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Wash hands before breaks and at the end of work.

Provide suction extractors if dust is formed.

No special measures required.

· **Information about fire - and explosion protection:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** None.

· **Storage class:** 13

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:** Not required.

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

· **Respiratory protection:**

Not required.

This product is made of non volatile compounds

· **Protection of hands:**

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Not applicable.

(Contd. on page 4)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 21.04.2020

Vers.: 7

Revision: 21.04.2020

Trade name: Chemichl AG – Dental ceramic InSync MC

(Contd. of page 3)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

Not applicable.

Butylkautschuk 0,5 mm > 480 min breakthrough time

Fluorkautschuk 0,4 mm > 480 min breakthrough time

Polychloropren 0,5 mm >480 min breakthrough time

Nitrilkautschuk/Nitrillatex 0,35 mm >480 min breakthrough time

· **Eye protection:** Not required.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: solid powder

Colour: white and various colors for tooth shades

· **Odour:** Odourless

· **Odour threshold:** Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

Melting point/freezing point: > 650°C

· **Flash point:** Not applicable.

· **Flammability (solid, gas):** Product is not flammable.

· **Ignition temperature:** Product is not flammable

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Not determined.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

· **Oxidising properties** no oxidizing properties

· **Vapour pressure:** Not applicable.

· **Density at 20°C:** 2.3 – 3 g/cm³

· **Relative density** Not determined.

· **Vapour density** Not applicable.

· **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with water:**

Insoluble.

Not miscible or difficult to mix.

(Contd. on page 5)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 21.04.2020

Vers.: 7

Revision: 21.04.2020

Trade name: Chemichl AG – Dental ceramic InSync MC

(Contd. of page 4)

· **Partition coefficient: n-octanol/water:** Not determined.

· **Viscosity:**

· **Dynamic:**

Not applicable.

· **Kinematic:**

Not applicable.

· **9.2 Other information**

No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.

· **10.2 Chemical stability**

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions** No dangerous reactions known.

· **10.4 Conditions to avoid** No further relevant information available.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity** Based on available data, the classification criteria are not met.

· **Primary irritant effect:**

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity** Based on available data, the classification criteria are not met.

· **Reproductive toxicity** Based on available data, the classification criteria are not met.

· **STOT-single exposure** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure** Based on available data, the classification criteria are not met.

· **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:** Not hazardous for water.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

(Contd. on page 6)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 21.04.2020

Vers.: 7

Revision: 21.04.2020

Trade name: Chemichl AG – Dental ceramic InSync MC

(Contd. of page 5)

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation** Smaller quantities can be disposed of with household waste.

· **Uncleaned packaging:**

· **Recommendation:**

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA** Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** Void

· **14.4 Packing group**

· **ADR, IMDG, IATA** Void

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user** Not applicable.

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

· **UN "Model Regulation":** Void

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Medical Device Directive (Council Directive 93/42/EEC of 14 June 1993 [1] concerning medical device

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** Substance is not listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 7)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 21.04.2020

Vers.: 7

Revision: 21.04.2020

Trade name: Chemichl AG – Dental ceramic InSync MC

(Contd. of page 6)

· **Department issuing SDS:** Scientific Service

· **Contact:** Email: scientific-service@chemichl.com

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative