

1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Matchmaker MC, LF, ZR & ALX Porcelain Powder
Product Code: Various

Application: Porcelains for the production of crowns

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2. HAZARD IDENTIFICATION

Information concerning particular hazards for human and environment: Not applicable
GHS label elements: Void

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization:
CAS No. Description: 66102-68-4 Ceramic
Identifications number(s): EINECS Number: 266-340-9

4. FIRST AID MEASURES

General information: No special measures required.
After inhalation: Take affected persons into fresh air and keep quiet
After skin contact: Immediately rinse with water
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

Most important symptoms and effects, both acute and delayed: No further relevant information available
Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents:
CO₂, powder or water sprays, Fight larger fire water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.
For safety reasons unsuitable extinguishing agents:
Water with full jet.
Special hazards arising from the substance or mixture:
Formation of toxic gases is possible during heating or in case of fire.
Advice for firefighters:
Protective equipment: Wear self-contained respiratory protective device.

Additional information:

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Remove persons from danger area.

Environmental precautions:

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to penetrate the ground/soil. In case of seepage into the ground inform responsible authorities.

Methods and material for containment and cleaning up:

Pick up mechanically. Dispose of the material collected according to regulations.

Reference to other sections:

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. HANDLING AND STORAGE

Precautions for safe handling:

Prevent formation of dust. Any unavoidable deposit of dust must be regularly removed.

Information about fire and explosion protection:

Dust can combine with air to form an explosive mixture.

Conditions for safe storage, including any incompatibilities storage:

Requirements to be met by storerooms and receptacles - Store only in unopened original receptacles.

Information about storage in one common storage facility - Store away from foodstuffs.

Further information about storage conditions:

None.

Specific end use(s):

No further relevant information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical facilities: No further data. See item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals. Do not inhale dust / smoke / mist. Wash hands before breaks and at the end of work.

Respiratory protection:

Suitable respiratory protective device recommended.

Protection of hands:

Protective gloves

Material of gloves:

The selection of the suitable gloves does not only depend on the material. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The break through time of the protective gloves has to be observed.

Eye protection:

Safety glasses

9. PHYSICAL AND CHEMICAL PROPERTIES**General Information**

Form:	Powder
Colour:	According to product specification
Odour :	Characteristic
Change in condition	
Melting point/ Melting range:	Not determined.
Boiling point/ Boiling range:	Not determined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Product is not flammable.
Danger of explosion:	Product does not present an explosion hazard.
Density:	Not determined.
Solubility in/Miscibility with water:	
Solvent content	
Organic solvents:	0.0%
Solids content:	100.0%

10. STABILITY AND REACTIVITY**Thermal decomposition/ conditions to be avoided:**

No decomposition if used according to specifications.

Dangerous reactions:

No dangerous reactions known.

Dangerous decomposition products:

No dangerous decomposition products known.

Reactivity:

No further relevant information available.

Chemical stability**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

Possibility of hazardous reactions:

No dangerous reactions known.

Conditions to avoid:

No further relevant information available.

Incompatible materials:

No further relevant information available.

Hazardous decomposition products:
No dangerous decomposition products known.

11. TOXICOLOGY INFORMATION

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification:

No further relevant information available.

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.

Repeated dose toxicity:

No further relevant information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

No further relevant information available.

Germ cell mutagenicity:

Based on available data, the classification criteria are not exceeded.

Carcinogenicity:

Based on available data, the classification criteria are not exceeded.

Reproductive toxicity:

Based on available data, the classification criteria are not exceeded.

STOT-single exposure:

Based on available data, the classification criteria are not exceeded.

STOT-repeated exposure:

Based on available data, the classification criteria are not exceeded.

Aspiration hazard:

Based on available data, the classification criteria are not exceeded.

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slight hazardous for water.

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

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available

13. DISPOSAL CONSIDERATIONS**Product:****Recommendation:** Smaller quantities can be disposed of with household waste.**Uncleaned packaging:****Recommendation:** Disposal must be according to official regulations.**14. TRANSPORT INFORMATION****Land transport ADR/RID (cross-border): -****ADR/RID Class: -****Maritime transport IMDG:****Marine pollutant:** No**UN "Model Regulation":-****15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture:**

No further relevant information available.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. FURTHER INFORMATION**Abbreviations and acronyms:****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)**LC50:** Lethal concentration, 50 percent**LD50:** Lethal dose, 50 percent**PBT:** Persistent, Bioaccumulative and Toxic**vPvB:** very Persistent and very Bioaccumulative**Sources:**ECHA (<http://echa.europa.eu/>)EnviChem (www.echemportal.org)

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.