

1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Matchmaker PR Pressable Ceramics
Product Code: 166, 167, 168, 169, 569

Application: Pressable ceramics 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 characterisation:
CAS No. Description: 66102-68-4 Ceramic
Identifications number(s): EINECS No. 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.

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 exact break through time has to be found out from the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses.

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

Form:	Solid
Colour:	According to product specification
Odour :	Characteristic
Change in condition:	
Melting point/ Melting range:	Not determined
Boiling point/ Boling 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/Michibility with water:	Insoluble.
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**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 sensitization:

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

Repeated dose toxicity:

No further relevant information available.

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

No further relevant information available.

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.

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)

This version replaces all previous versions.

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