

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURES AND OF THE COMPANY/UNDERTAKING**1.1. Product Identifier**

Product Name Matchmaker MC and Enliven MC Porcelain Powders

1.2. Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available

Application of the substance/the mixture: Auxiliary for dental technology

1.3. Details of the supplier of the safety data sheet

Supplier Davis Schottlander & Davis Ltd
Fifth Avenue, Letchworth Garden City
Hertfordshire, SG6 2WD, UK
msds@schottlander.co.uk
www.schottlander.com

1.4. Emergency contacts

National poison centre for United Kingdom of Great Britain and Northern Ireland:
Belfast: +44 28 90 63 2032
Birmingham: +44 121 507 4123
Edinburgh: +44 131 242 1383
Newcastle Upon Tyne: +44 191 2606182/+44 191 2606180
Penarth: +44 292 071 55 54

2. HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008: The product 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.

vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances**

Chemical characterization: Substances

CAS No. Description

65997-17-3 Glass, oxide, chemicals

Identification number(s):

EC number: 266-046-0

Dangerous components: Void

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information: No special measures required. If symptoms persist consult doctor.

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

4.2. Most important symptoms and effects, both acute and delayed

No further information available

4.3. Indication of any immediate medical attention and special treatment needed

No further information available

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

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

6.1. Personal precautions, protective equipment and emergency procedures

Remove persons from danger area

6.2. 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.

6.3. Methods and material for containment and cleaning up

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

6.4. 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

7.1. Precautions for safe handling

Prevent formation of dust. Any unavoidable deposit of dust must be regular removed
Information about fire- and explosion protection: Dust can combine with air to form an explosive mixture.

7.2. Conditions of 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.

7.3. 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

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

No Information provided

8.3. Personal Protective Equipment

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, but also on further marks of quality and varies from manufacturer to manufacturer. 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. As the product is a preparation of several substances, the resistance of the glove material can not 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 by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

General Information

Appearance:

Form:	Solid
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined
pH-value	Not applicable
Change of condition	
Melting point/ Melting range	Undetermined
Boiling point/ Boiling range	Undetermined
Flash point	Not applicable
Flammability (solid, gaseous)	Product is not flammable
Ignition temperature	Undetermined
Decomposition temperature	Not determined
Self-igniting	Not determined
Danger of explosion	Product does not present an explosion hazard
Explosion limits	
Lower	Not determined
Upper	Not determined
Vapour pressure	Not applicable
Density	Not determined
Relative density	Not determined
Vapour density	Not applicable
Evaporative rate	Not applicable
Solubility in/Miscibility with Water:	Insoluble
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic	Not applicable
Kinematic	Not applicable
Organic solvents	0.0%

9.2. Other information

No further relevant information available

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.

11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Information on toxicological effects**

Acute toxicity:

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

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)

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**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: Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects

No further relevant information available.

13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

European waste catalogue

18 00 00 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH
(except kitchen and restaurant wastes not arising from immediate health care)

18 01 00 wastes from natal care, diagnosis, treatment or prevention of disease in humans

18 01 06 chemicals consisting of or containing dangerous substances

Uncleaned packaging:

Recommendation: Disposal must be according to official regulations.

14. TRANSPORT INFORMATION**14.1. UN number**

ADR, AND, IMDG, IATA not regulated

14.2. UN proper shipping name

ADR, AND, IMDG, IATA not regulated

14.3. Transport hazard class(es)

ADR, AND, IMDG, IATA

Class not regulated

14.4. Packing group

Packaging group

ADR, IMDG, IATA not regulated

14.5. Environmental hazards

Marine pollutant No

14.6. Special precautions for user

Not applicable

15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

Classification according to Regulation (EC) No 1272/2008

Calculation method

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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16.2 Date of the latest revision of the SDS

Revision Date: 01/04/2025

Revision: V4

Next Review Date: 01/04/2028

END OF SAFETY DATA SHEET