

1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Matchmaker PR Investment Liquid and Expansion Liquid
Product Code: 0308, 0198

Application: Liquid for dental investment compounds

Company: Davis Schottlander & Davis Ltd
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Date: 02.08.2015 V2.0

2. HAZARD IDENTIFICATION

Not classified as hazardous.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Water solution of colloidal silicic acid.

4. FIRST AID MEASURES

After inhalation: Supply fresh air. If there is difficulty in breathing medical attention should be obtained.

After contact with skin: Wash skin immediately with plenty of water. If skin reactions occur contact a physician.

After contact with eyes: Open the eyelids and rinse for an adequate length of time with water. If necessary consult an eye specialist.

After swallowing: Rinse mouth out immediately. If the patient feels unwell seek medical advice.

5. FIRE FIGHTING MEASURES

Extinguishing media: No restriction in fire situations.

6. ACCIDENTAL RELEASE MEASURES

Rinse off small quantities with plenty of water.

7. HANDLING AND STORAGE

Storage: No special measures required.
Protect from frost!

VCI storage class: 12

Protection against fire and explosion: Explosion protection not required.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye protection: Goggles
When handling observe the usual precautionary measures for chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	White
Odour:	Odourless
Boiling point:	approx 100°C @ 1013 mbar
Freezing point:	approx 0°C
Density:	1,09-1,35 g/cm ³ @ 20°C
Vapour pressure:	approx 20 mbar @ 20°C
Viscosity dynamic:	<20 mPa.s @20°C
Solubility in water:	Miscible
pH value:	9-10 @ 20°C (original solution)
Flash point:	Not applicable
Ignition temperature:	Not applicable
Explosive limits:	Not applicable

10. STABILITY AND REACTIVITY

Thermal decomposition:	Not applicable.
Hazardous decomposition products:	No hazardous decomposition products observed.
Hazardous reactions:	No hazardous reactions observed.

11. TOXICOLOGY INFORMATION

Toxicological reports on this Expansion Liquid show the following results:

Acute toxicity:

LD50 oral, rat: >15 000 mg/kg

Rabbit skin (24h): Non irritant

Rabbit eyes: Non-irritant

12. ECOLOGICAL INFORMATION

Ecotoxicological reports on this Expansion Liquid show the following results:

Acute bacterial toxicity: Activated sludge micro-organism: EC50 + > 10 000 mg/l

Acute fish toxicity: Zebra barbell (Brachydanio rerio) LC0: 5000 mg/l

Water pollution class (WGK): 0 – not generally hazardous to water (own classification)

WGK = Classification in accordance with the German Water Resources Act

13. DISPOSAL CONSIDERATIONS

Dispose according to local regulations.

14. TRANSPORT INFORMATION

Not classified as hazardous.

15. REGULATORY INFORMATION

No labelling is required in accordance with the EEC Directives.

16. FURTHER INFORMATION

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.