

1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Matchmate HFWC Solder
Product Code: 905

Application: Pre-solder

Company: Davis Schottlander & Davis Ltd
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2. HAZARD IDENTIFICATION

Not classified as hazardous material.

Eyes: May cause irritation.
Skin: May cause irritation and possibly burns. May cause dermatitis.
Ingestion: May cause irritation. May cause nausea, vomiting and diarrhoea.
Inhalation: May cause irritation and burns to the respiratory system.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	% w/w
Gold	7440-57-5	62.00
Silver	7440-22-4	24.80
Palladium	7440-05-3	10.00
Indium	7440-74-6	2.20
Zinc	7440-66-6	1.00

4. FIRST AID MEASURES

Eyes: Flush with large volumes of water for at least 20 minutes.
Skin: Wash with soap and water.
Ingestion: Give milk or water to drink. Induce vomiting.
Inhalation: Remove the person to fresh air. If symptoms persist seek medical advice.

5. FIRE FIGHTING MEASURES

Extinguishing media: Material is fire and explosion resistant. Overheating may generate fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal: Ensure adequate ventilation. Avoid dust formation. See also Section 8.
Environmental: Do not allow liquid alloy to enter drains.
Cleaning: Scrape up. Collect in a suitable container for disposal.

7. HANDLING AND STORAGE

Handling: Avoid dust and fumes formation. Wear heat resistant gloves when handling hot metal.

Storage: Not determined.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Personal protection:**

Ensure adequate ventilation. Wear gloves, mask and eye protection when grinding. Wear heat resistant gloves and safety goggles when handling hot metal. Keep away from food and drink. Wash hands after handling product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White solid	Odour:	Undetermined
Boiling point °C:	Undetermined	Melting point °C:	1120
Flash point °C:	Undetermined	pH:	Undetermined
Explosive properties:	Undetermined	Oxidising properties:	Undetermined
Water solubility:	Insoluble		

10. STABILITY AND REACTIVITY

The material is stable but may oxidise. At very high temperatures fumes may be produced.

11. TOXICOLOGY INFORMATION

Absorption of silver can cause argyria, a permanent bluish-grey discolouration of the skin, conjunctiva and mucous membranes.

Indium may cause foetal effects. Indium may cause lung damage and blood abnormalities. See also Hazards (Section 2)

12. ECOLOGICAL INFORMATION

100% recyclable.

13. DISPOSAL CONSIDERATIONS

Recover dust and solid waste and recycle. Otherwise dispose of by waste contractor in landfill or incinerator following current regulations.

14. TRANSPORT INFORMATION

Unrestricted.

15. REGULATORY INFORMATION**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.