

**Metrodent****EC - SAFETY DATA SHEET**

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TITLE: METRODENT WAXES

1. Identification of Substance and Company

Metrodent Waxes

1.1 Manufacturer: Metrodent Limited, Lowergate Works, Lowergate, Paddock, Huddersfield, HD3 4EP. Tel: 01484 461616, Fax: 01484 462700

2. Composition Information

Composition Information

Paraffin Waxes (CAS No. 64742-51-4)

Microcrystalline Waxes (CAS No.64724-60-5)

Small quantities of dyes and natural and synthetic ingredients.

Dangerous components/range of concentration/symbol/R-sets

3. Hazard Identification

For Humans: When used in normal dental practice pose virtually no hazard to health. Risk of thermal burns when used in molten state at elevated temperatures. Wax fumes may cause eye and respiratory tract irritation if present.

4. First Aid Measures

Exposure	Medical Attention Required
Ingestion: Drink plenty of water	No
Skin Contact: (with molten wax) Wash with plenty of water to solidify wax. Carefully wipe it off and obtain medical attention.	Yes

Eye Contact: Flush immediately with water for 15 minutes.	Yes
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5. Firefighting Measures

Suitable extinguishing media: Foam, carbon dioxide, dry powder, sand or earth. Not suitable: Water.

6. Accidental Release Measures

Safety measures related to persons: If wax is molten take precautions against burns from accidental splashes wearing appropriate protective clothing.

Cleaning Method: Collect in a container for disposal. Please refer to 8 and 13

7. Handling and Storage

7.1 Handling: Protective measures regarding the handling: Observe common safety precautions regarding the handling of chemicals. Technical protective measures: Avoid spilling molten wax into sewers as it will solidify and may cause blockages. The authorities should be informed if this occurs.

7.2 Storage: Special requirements: Store in a closed container away from sources of contamination.

Suitable container material: Paper board boxes.

8. Limit of Exposure and Personal Protective Equipment**8.1 Personal protective equipment**

8.1 Hand protection: Use gloves if wax is molten.
Hygiene: After use usual hand-cleaning with water and soap.
Inhalation: Use an approved respirator if wax fumes are present.

9. Physical and Chemical Properties

Physical Appearance

Form: Solid, Colour: pink or depends on wax type
Smell: None Drop Point: c62oC

Density (20°C): approx. 0.85g/cm³

Solubility in Water: Insoluble at 20oC

Other data: Flash point >220oC

10. Stability and Reactivity

Waxes will support combustion.

11. Toxicological Information

If used according to directions, toxicological effects are not known.

12. Ecological Information

Waxes are unlikely to cause any environmental hazards although a spillage of hot wax could produce local scorch damage.

13. Recommendations Regarding Disposal

13.1 Disposal procedure for preparation: Dispose of in accordance with local regulations

13.2 Disposal procedure for packing material: The material can be disposed with household rubbish by observing regulations of local authorities.

Please note that national and regional regulations might be valid.

14. Transportation Information

Waxes are non-hazardous for transport.

15. Regulatory Information

15.1 Mark on the label: None

15.2 Restriction regarding use and transportation: May only be used in the dental laboratory.

15.3 Maximum values for exposure at the work area.

MEL wax fume - 2mg/m³(8 hour TWA)

MEL wax fume- 6mg/m³(short term exposure limit (10 minute reference period)

Other national demands could be importance

16. Other Data

Can react with oxidising materials so avoid contact with these.

The above describes our product with reference to possible safety requirements in accordance with our present level of knowledge. No claim is made for completeness and all applicable laws and regulations have to be considered.