

Merqum LLC
Trudovoy 11
Poltava Ukraine

Material Safety Data Sheet
acc. to EC-Directive No. 1907/2006 (REACH)
and CLP-Directive No. 1272/2008 (GHS)

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Diamond paste for dental materials

1. Identification of the Substance / Preparation and Company / Undertaking

Product name: Diamond paste for dental materials

Supplier: Merqum LLC
Trudovoy 11
Poltava Ukraine

Phone: +38 (050) 3049282
Mail: info@merqum.com
Internet: www.abrasivetools.eu

2. Hazards Identification

Hazards: No hazardous effect known.

3. Composition / Information on Ingredients

Chemical composition: Paste based on water, containing diamond.
Hazardous ingredients: None (no specific marking required).

4. First-Aid Measures

Eye contact: Immediately flush with plenty of water (for several minutes).
Seek medical advice (diamond dust).
Skin contact: No measures necessary for short-term skin contact.
Ingestion: Immediately seek medical advice.

5. Fire-Fighting Measures

Extinguishing media: CO₂, powder, foam, water fog.
Specific hazards: None known.
Protective equipment: None.

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6. Accidental Release Measures

Personal precautions: None.
Environmental precautions: Do not discharge into drains, water courses or onto the ground.
Methods for cleaning up: Cloth has to be disposed as waste.

7. Handling and Storage

Handling: Combustible mixtures with air can be originated from strong thermal stress or heating up to flash point temperature!
Storage: Store in closed containers at ambient temperature. No special precautions.

8. Exposure Control and Personal Protection

Respiratory equipment: None.
Hand protection: Wash hands before break and after work.
Eye protection: None.
Body protection: None.

9. Physical and Chemical Properties

Appearance: Pasty
Colour: Coloured acc. to grit size
Odour: Wax-like
pH: Not applicable (non-aqueous)
Boiling point: Not relevant
Melting point: 55°C
Flash point: Not relevant
Combustibility: Hardly combustible
Self-ignition: None
Explosive properties: None
Density: 0,95 – 1,50 g/cm³ (20°C)
Solubility (water): Insoluble
Solubility (fat): Not relevant
Viscosity: Not relevant

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10. Stability and Reactivity

Thermal decomposition: No decomposition if used in accordance with instructions.
Materials to avoid: Strong oxidizing agents.
Hazardous decomposition products: None. Extreme heat can cause irritating vapour.

11. Toxicological Information

Inhalation, skin contact,
eye contact, ingestion: No adverse effect on health, when properly used.
Chronic effect: Long-term and frequent skin contact can cause skin alteration (degreasing).

12. Ecological Information

Specific eco-toxicological data are not available for that product. The assessment is based on general information about carbonated hydrogens. Releasing in environment the product is mainly kept on the surface of ground / water. According to appropriate literature on physical and chemical properties of that product no hazardous effect on aquatic and non-aquatic eco-systems are expected. The product is estimated to be hardly biodegradable.

13. Disposal Considerations

The product must be disposed of in accordance with national regulations.

	Disposal Key	Recommended Disposal
New product (unused):	54 404	Specific waste combustion
Used product (polluted):	54 404	Specific waste combustion
Packaging:		Domestic waste

14. Transport Information

Not classified as dangerous in any mode of transportation. Transportation by post is admitted (acc. to Code of Practice).

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15. Regulatory Information

Labelling: No specific marking required.
National or local regulations: Water Danger Class: WDC 1
(Self-assessment)

16. Other Information

Product application: Polishing paste

Data origin:

All recommendations presented within this MSDS are originated from test data, comparison with similar articles and information given by suppliers of single components. The details of this MSDS are valid only for the product! The validity cannot be confirmed when the product is mixed with other materials or is processed by manufacturing. The above indications are based on our current knowledge and experience. A guarantee for faultlessness, reliability and completeness can-not be given. The user must be familiar with the contents of these instructions and is responsible for the appropriate application.