

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Trade name: **Z-CAD® Liquid Smile-TC**

Relevant identified uses: The Z-CAD® Liquids Smile-TC have to be used with METOXIT Z-CAD® Smile Zirconia Blanks

Manufacturer / supplier:

METOXIT AG

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SECTION 2: Hazard identification

Safety information according to GHS (Regulation (EC) no. 1272/2008)

Hazard statement(s): H319: Causes serious eye irritation

Precautionary statement(s): P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Signal word: Caution

Hazard symbols:



Storage class: 10 - 13 Other liquids and solids

Safety information (67/548 EEC or 1999/45 EC labelling)

R-phrase R 36: Irritating to eyes.

S-phrase S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Categories of danger: Irritant

Hazard symbol: Irritant



SECTION 3: Composition / information on ingredients

Hazardous ingredients and additional information: For hazard information, see section 2.

SECTION 4: First aid measures

After inhaling: Fresh air

After skin contact: Wash immediately with plenty of water. Remove contaminated clothing.

After eye contact: Rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion: Drink water (max. 2 glasses), consult doctor immediately.

SECTION 5: Fire fighting measures

Suitable extinguishing media: Water, carbon dioxide CO₂, extinguishing or alcohol resistant foam
Extinguishing media which must not be used for safety reasons: There are no restrictions as regards extinguishing media for this substance/product.

Special hazards in connection with fire: Risk of hazardous combustion gases or vapours if substance/product is on fire.

Fire fighting statements: In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

Environmental precautions: Do not allow to enter into drains.

Personal protective equipment: See section 8

Suitable methods and materials for retention and cleaning up: Seal drains, collect product, contain in defined area and pump off. Observe possible restrictions re. materials! See sections 7 and 10 Avoid generation of dust.

Disposal information: See section 13

SECTION 7: Handling and storage

Advices on safe handling: Observe handling instructions on label.

Advice on safe storage: Do not store in metal containers. Keep product dry and store in tightly sealed containers.

Storage temperature: Room temperature

Specific end use(s): As specified in section 1. No other uses.

SECTION 8: Exposure controls / personal protection

Parameters to be monitored: Does not contain ingredients with defined occupational exposure limits

Exposure controls: See section 7

General health and safety measures: Remove contaminated clothing immediately. Wash hands and face before breaks and after work.

Eye protection: Protective goggles

Hand protection for full or splash contact: Nitrile rubber gloves, 0.11mm thick, breakthrough time >480 minutes

Respiratory protection: Required in the event of dust.

SECTION 9: Physical and chemical properties

Ignition temperature: 540 °C (anhydrous substance)

Solubility in water: 1630 g/l (20 °C)

Melting range: 135 - 152 °C

Molecular weight 210.14 g/mol

Density: 1.54 g/cm³ (20 °C)

Bulk density: 800 - 1000 kg/m³

pH: 0.8 (50 g/l, H₂O, 25 °C)

Vapour pressure: < - 0.1 hPa (20 °C)

Explosion limit: 8.0 %(v/v)

SECTION 10: Stability and reactivity

Reactivity: See "Risk of dangerous reactions".

Chemical stability: Release of water of crystallisation upon heating.

Risk of dangerous reactions: Risk of reaction with metals oxidants, bases and reducing agents.

Conditions to avoid: No information available

Materials to avoid: No information available

Hazardous decomposition products: No information available

SECTION 11: Toxicological information

Acute oral toxicity: LD50 rat 2000 mg/kg

Primary irritation to the skin: No irritation, OECD 404

Primary irritation to the eyes: Acute irritation, OECD 405

SECTION 12: Environmental precautions

Water hazard classification (WGK): WGK1, slightly hazardous to water

SECTION 13: Disposal considerations

Disposal: 3, liquid organic reagents that are barely reactive are classified in category A. If they contain halogens, they are classified in category B. Solid residue: category C (according to European Waste Framework Directive 2008/98/EC)

SECTION 14: Transport information

Road and rail transport ADR/RID: No dangerous good

Sea transport - IMDG: No dangerous good

Air transport - IATA-DGR: No dangerous good

SECTION 15: Regulatory information

Regulations regarding health and safety, and environmental protection / specific statutory regulations

for substance/product: See sections 10 to 13

SECTION 16: Other information

The data in this data sheet is based on our present knowledge and provides information regarding the product and

necessary safety precautions. This information shall not constitute a guarantee for specific product properties .