

Trade name: **Z-CAD<sup>®</sup> SURFACE Liquid** Revised: 29/05/2019

Created: Head of QM&amp;RA ROHE

Printed: 29/05/2019

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**Trade name: **Z-CAD<sup>®</sup> SURFACE Liquid**Relevant identified uses: The Z-CAD<sup>®</sup> Liquids have to be used with  
METOXIT Z-CAD<sup>®</sup> Zirconia Blanks**Manufacturer / supplier:****METOXIT AG**Emdwiesenstrasse 6  
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Safety information according to Regulation (EC) No. 2015/830

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 according to Regulation (EC) No. 2015/830

R-pharse R 36: Irritating to eyes.

S-pharse 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.

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**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 CO<sub>2</sub>, 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 &gt;480 minutes

Respiratory protection: Required in the event of dust.

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**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/cm<sup>3</sup> (20 °C)Bulk density: 800 - 1000 kg/m<sup>3</sup>pH: 0.8 (50 g/l, H<sub>2</sub>O, 25 °C)

Vapour pressure: &lt; - 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

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**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 .

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