

## Material Safety Data Sheet

According to 2001/58/EF



## SICAL MORTAR

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01	<b>Product Identification</b>  Company  Producer	<b>SICAL MortarSKAMOSIC Bricks</b> Silicon carbide mortar. Mortar for installing silicon nitride-bonded silicon carbide bricks.  Skamol A/S Østergade 58-60 DK-7900 Nykøbing Mors Denmark Phone: +45-97721533 E-mail: insulation@skamol.dk  Fax: +45-97724975 www.skamol.com  Tangshan Hexagon Silicon Carbide Co., Ltd., China.
02	<b>Chemical Composition</b> Substances and CAS No.	Silicon carbide; silicon dioxide; aluminium oxide; aluminium dihydrogenphosphate; iron oxide. CAS No.: 409-21-2; 112945-52-5; 1344-28-1, 13530-50-2; 1309-37-1. No content of health hazardous substances.
03	<b>Health Hazard</b>	The dry powder may cause irritation to eyes and respiratory system.
04	<b>First Aid</b> Inhalation Skin contact  Eye contact Ingestion Burn Other information	Fresh air. Seek medical advice if irritation continues. Rinse in plenty of water. Remove exposed clothing. Get medical attention if irritation continues. Immediately rinse in clean water and seek medical attention. Rinse mouth thoroughly and seek medical advice if necessary. - -
05	<b>Fire Precautions</b> Extinguishing equipment Risks Personal protective equipment	The product is non-flammable. - Use protective mask.
06	<b>Spills</b> Personal protective equipment Environmental protection Clearing	Use protective aids as mentioned under "Preventive measure" Vacuuming of spills. See item 13 below.
07	<b>Handling and storage</b> Work place Storage  Packing	No special precautions. No law-enforced requirements. Dry storage recommended. Storage life max. 12 months. -

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Parent company Skamol A/S is DS/ISO 9001 certified

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08	<b>Preventive measures/ personal protective equipment</b> Control method and tolerances Breathing protection Hand and skin protection Eye protection	- Use dust mask. Use protective gloves. Use protective spectacles.
09	<b>Physico-chemical properties</b>	Chemical composition: SiC (82%); SiO <sub>2</sub> (5%); Al <sub>2</sub> O <sub>3</sub> (7%); P <sub>2</sub> O <sub>5</sub> (4%); Fe <sub>2</sub> O <sub>3</sub> (<1%). Appearance: Grey powder Odour: H <sub>2</sub> S (<< 0.1 %), when mixed with water Density (bulk, dry): 1334 kg/m <sup>3</sup> (83 lbs/cu.ft) Boiling point: None Solubility in water: Non-soluble Electric conduction: Conducting pH: 2.5, when mixed with water
10	<b>Stability and Reactivity</b>	Stable under normal circumstances.
11	<b>Toxicological Measures</b> Inhalation Consumption Skin contact Eye contact Long-term effects	Inhalation of dust may irritate the upper air passage. - Irritant. Irritation. No known effects.
12	<b>Environmental Precautions</b>	None
13	<b>Decontamination</b>	Spills or waste can be removed as general building waste according to local regulations. If during use the product takes up foreign substances, this must be taken into account on removal.
14	<b>Transportation</b>	Outside classification limits.
15	<b>Labelling and classification</b> Danger symbols The product contains Risk regulations Safety regulations Special labelling regulations National regulations	Local irritant Phosphate acid salt. R36/38: Irritating to eyes and skin. S26: In case of eye contact, rinse immediately with plenty of clean water. None -
16	<b>Other Information</b> Application  Restrictions of use Training requirements	Mortar for installing silicon carbide bricks as sidewall lining in aluminium reduction cells. Max. service temperature 1350°C (2462°F). - None
	<b>Prepared by</b>	Skamol Laboratory