

EU Safety Data Sheet

In accordance with 2001/58/EG

BOTZ Engobe 9047 Dunkelblau

Prepared: 05.01.2006

1. Substance/Preparation and company description

1.1 Description of the substance or the preparation

BOTZ Engobe 9047 Dunkelblau

1.2 Use of the substance

Glassy overcoat of ceramic products

1.3 Company name

S K G Keramische Farben GmbH
 Hafenweg 26 a, 48155 Münster
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 Contact: Mechthild Surmann
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1.4 Emergency contact number

Phone: +49 (0)251-65402

2. Composition/Constituent specifications

Mineral compound, milled glass, solvent-free binder based on acrylic

CAS-Nr.	EINECS-Nr.	Material description	Content	Symbols	R-phrases	S-phrases
68187-40-6	269-093-5	Pigment based on Cobalt silicate	max. 5 %	Xn	R20/22	S20/21

Xn (harmful to health)

3. Possible hazards

No hazardous substance or preparation within the meaning of the Dangerous Chemicals Ordinance and/or EEC directives.

No hazards when used as intended. When misused (e.g., swallowing), no hazardous effects on human health have become known.

4. First-aid measures

After eye contact: rinse with water and consult a physician.
After swallowing: rinse mouth with water and consult a physician.
After contact with skin: wash off with water and soap.

5. Fire-fighting measures

Extinguishing agent: No restrictions.

6. Measures upon unintended release

Pick up and collect after spillage or leakage. Prevent skin and eye contact. Prevent emptying into drains.

7. Handling and storage

7.1 Handling

Do not eat, drink, or smoke while glazing. Wash hands directly after use. Thoroughly ventilate spaces during firing, if possible, discharge firing gases directly into the open air.

7.2 Storage

Store closed container in a place inaccessible to children.

8. Exposition limits

8.1 Exposition limits

The product does not contain any relevant quantities of substances with workplace-related limiting values to be monitored.

8.2 Limitation and monitoring of the exposition

8.2.1 Limitation and monitoring of the exposition at the workplace

Wear suitable gloves made of nitrile.

Avoid contact with eyes and skin.

8.2.2 Limitation and monitoring of the environmental exposition

The use of the product requires a smoothly functioning exhaustion of the kilns and sufficient ventilation of the workspaces.

9. Physical and chemical properties

9.1 General information

Appearance:	Liquid, pasty, often grainy mixture coloured differently.
Odour:	No perceptible odour.

9.2 Important information on health and environmental protection and on safety

ph-value:	8.00-10.00
Boiling point	Not determined
Boiling range	Not determined
Flash point:	n.a.
Combustibility	n.a.
Explosion hazard:	n.a.
Fire-supporting properties:	n.a.
Steam pressure:	n.a.
Relative density:	Not determined
Solubility:	water soluble
Distribution coefficient:	n.a.
Viscosity:	tixotropic.
Vapour density:	n.a.
Evaporation speed:	n.a.

9.3 Other information

Store in a frost-protected place.

10. Stability and reactivity

10.1 Conditions to be avoided:

Not known

10.2. Substances to be avoided:

Not known

10.3 Hazardous decomposition products

Not known

11. Toxicology specifications

When handled properly and in accordance with the intended use, the product will not cause in our experience and available information any effects harmful to health.

12. Ecological specifications

12.1 Ecotoxicity

12.2 Mobility

The watery dispersion predominantly consists of water-insoluble, anorganic components which to a great extent can be separated mechanically in cleaning equipment.

Water contaminant class 1 - low hazardous to waters
(WGK) self classification

12.3 Persistence and decomposability

Not applicable

12.4 Bio-accumulation potential

Not applicable

12.5 Other hazardous effects

Not applicable

13. Notes on disposal

If residues and collected wastes cannot be re-used, they can be set in a ceramic vessel by one-time firing at approx. 900°C.

Otherwise, dispose of in accordance with local waste removal regulations. For treatment of the process water, a small sewage plant is recommended.

Waste key product: 080203

Aqueous suspensions which container ceramic materials.

14. Information on transportation

Not a hazardous transport good.

15. Regulations

Does not require a hazardous warning label according to the EU guidelines/Dangerous Chemicals Ordinance.

16. Other information

R 20/22: Harmful by inhalation and if swallowed

S 20/21: When using do not eat or drink

This information is based on the current status of knowledge and experience.