

Safety Data Sheet
Accordance to (EG) 1907/2006



TRADE NAMES : Techno-Coat HT 1100
Reviewed on: 23.09.2010 **Version :** 2.0
print date : 16.04.2014

TP_44_V01_E

1. Designation of Material/Preparation/ and Company

Trade-name : Techno-Coat HT 1100 (black / silver grey / tile red / cream white)

REACH registration number: none

Product Information:

High temperature inorganic dispersion for colouring of ceramic stove linings

Manufacturer/Supplier :

Techno-Physik Engineering GmbH

Schürmannstrasse 27- 31

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2. Composition: Information on Constituents

Chemical Characterisation:

Strong alkaline aqueous dispersion with ceramic pigments.

CAS-N. : 68909-79-5 Anorganic pigment FeCr-Oxide

CAS-N. : 1309-37-1 C.I.Pigment red 101

CAS-N. : 13463-67-7 Titan IV-oxid

in variable proportions

3. Potential Hazards

none known.

4. First-aid Precautions

- | | |
|---------------------------------|---|
| 4.1 after skin contact | Wash the affected areas of skin with water and mild soap.
Do not use any other cleansing agents. |
| 4.2 after contact with the eyes | Rinse the eyes with water. |
| 4.3 after swallowing | Administer water only, do not induce any vomiting, <u>call a doctor immediately.</u> |

Constant contact should be avoided as this can lead to persistent irritation. The normal precautions for handling chemicals are adequate.

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5. Fire-fighting Precautions

non flammable.

6. Action on accidental Release into the Atmosphere

not applicable.

7. Handling and Storage

- 7.1. Handling no data.
- 7.2. Storage Store dry at ambient temperature. Protect from frost.

8. Exposure Control and personal protective Clothing and Equipment

- 8.1. Additional instructions for the construction of technical plants no data
- 8.2. Constituents with limits affecting the workplace which require monitoring no data.
- 8.3 Personal Protective Clothing
- Respiratory protection Where the limits have been exceeded (see Point 8.2.) breathing apparatus with a particle filter corresponding to DIN 1381-P2 must be worn. It is recommended that these masks should be worn also at lower fibre concentrations.
- Hand protection The use of protective gloves is recommended.
- Eye protection A suitable pair of safety glasses must be worn.
- Body protection Wear loose-fitting, long-sleeved, working clothes (disposable protective suits are recommended), headress is recommended for overhead work.
- Protective and hygiene precautions Clean the workplace regularly. Staff must be required to work cleanly and to observe high standards of personal hygiene.

9. Physical and chemical Properties

- 9.1. Appearance:
- Form: liquid dispersion
Colour : as requested
Smell : odourless, mouldy
- 9.2 Data of relevance for safety
- pH-value: 12
Flash-point/flammability: non-flammable
Ignition-temperature: no data
Explosive limits: no data

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Vapour pressure: no data
Density: 1,6 g/cm³

10. Stability and Reactivity

no data.

11. Toxicological Data

no data.

12. Ecological Data

Alkaline solutions may not be allowed to enter groundwater. Material which has been spilt or become unusable through superimposition must therefore be allowed to harden. The hardened material has a porcelaine-like character and can be disposed of in accordance with the usual statutory regulations.

13. Instructions for Disposal

Allow liquid material to harden. This can then be disposed of in accordance with the local regulations.

14. Shipping Data

Class 8 para. 42 b
Marginal number 2801 A
Special regulation as maximum 1 litre contents per package and up to 4 litres per despatched item in order to avoid liability for labelling for shipment by road.

15. Regulations

Labelling acc. to GefStoffV :	XI Irritating
R-36/38	Irritates the eyes and skin
S-26	On contact with the eyes, rinse thoroughly and call a doctor
S-28	On contact with the skin wash immediately with copious amounts of water

16. Miscellaneous Data

Prolonged use at temperatures of approximately 1000°C can cause crystalline silicon oxide to form. Under these conditions it is recommended that the local regulations pertaining to silicon oxide dust should be complied with.

The data contained in this safety data sheet are based on the present state of knowledge and experience. The safety data sheet describes products from the viewpoint of safety requirements. The data have no significance as assurances regarding their properties.
