

CERAN

IBIDEN Porzellanfabrik Frauenthal GmbH Safety Data Sheet 2001/58/EG

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1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

PRODUCT: Ceramic Honeycomb Monoliths, Material: "HT" (Mullite), any

dimensions

MANUFACTURER: IBIDEN Porzellanfabrik Frauenthal GmbH

DATE OF ISSUE: 19 FEB 2019

2. COMPOSITION

	Percentage
Aluminiaoxide	62-70
Silicadioxide	27-35
Ironoxide	0-1
Titaniumdioxide	0-1
Calciumoxide	0-1
Magnesiaoxide	0-1
Sodiumoxide	0-1
Potassiumoxide	1-2

3. POSSIBLE DANGER

Under normal use, ceramic products in solid form do not present a health hazard.

The ceramic honeycomb monoliths are not a regulated chemical as they do not release or otherwise result in exposure to a hazardous chemical under normal conditions of use.

4. HEALTH, FIRST AID AND MEDICAL DATA

a) INHALATION: In normal use dust generation is not possible. Dust can only be generated in case of machining, grinding or similar operations normally not foreseen for this products. If dust is generated, there is the possibility of breathing in irritant powders. Prolonged exposure to Silica can lead to silicosis. Free crystalline Silica may be a possible carcinogen. More than 99 % of the Silica in this material are chemically bound as Silicates and glass-phase, therefore, crystalline Silica is also bonded in the matrix of the dust of this material.

b) SKIN: Absorption: N/A

Handling: These articles are hard and abrasive and may have sharp

broken edges.



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Dust may cause irritation. Breaking the material may result in fine and sharp c) EYE:

fragments.

In case of contact: irrigate with water. Do not wipe away fragments or particles. Call for medical assistance if fragments are in eyes.

d) Ingestion: N/A

5. FIRE AND EXPLOSION HAZARD DATA

As sold the material is not inflammable and there is no risk of fire or explosion.

6. ACCIDENTIAL RELEASE

No risk for the environment

7. STORAGE AND HANDLING

Stacking height: max. 3 pallets – Refer to local Regualtions a)

Avoid rough handling to avert abrading or crushing the articles. b)

Minimize dust. c)

SOFTENING POINT:

Watch footing if articles fall onto walking surfaces. d)

Protect against sharp, broken edges. e)

8. LIMITING EXPOSURE AND PERSONAL SAFETY EQUIPMENT

Respiratory Protection: wear dust masks if dust is generated

Ventilation: local ventilation recommended if dust is generated

Protective gloves: recommended Eye protection: recommended

Other equipment: adequate covering to protect from sharp edges. Other

equipment as customer's policies dictate

9. PHYSICAL AND CHEMICAL PROPERTIES

State of Aggregation: solid **SPECIFIC GRAVITY:** 2,4 g/cm³

WEIGHT/VOLUME: 0,68-1,35 g/cm³

SOLUBILITY: insoluble in water:

insoluble in alcohol: other solvents: insoluble 1540°C

(Start of softening of a standard cylinder under constant load of 0,2 N/mm²)







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10. STABILITY AND REACTIVITY

Silicate Products may react, although not violently, with hydro fluoric acid or active fluorides.

11. INFOMATION ON TOXICOLOGY

Non-toxic.

12. INFOMATION ON ECOLOGY

No danger

13. INFORMATION ON DISPOSAL

Waste disposal method: landfill in accordance with local, state and federal regulation. Be guided by extraneous matter to which these articles may have been exposed in the user's process.

14. REGULATIONS FOR TRANSPORT

No restrictions

15. REGULATIONS

R- Label ---

S- Label ---, for disposal of fractured pieces S 37

16. OTHER INFORMATION

As sold these articles are solid, inert and non-hazardous. If Customers processing introduces hazardous (toxic), flammable or explosive materials to the articles, be guided by their nature.

If manufacturer crushes or grinds the product and generates dust corresponding state regulations apply.

The information given is based on the present state of knowledge and experience according to the law on declaration and preparation of dangerous chemicals.

The information given is intended to describe safety requirements and does not imply any guarantee of particular characteristics.