

# Temporary Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)



Temporary trade name: CerGrains

Product No: xxxxx

Print date: 27.01.2017

Version: 0.9 / EN

Revision date: 20.07.2016

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## SECTION 1: Identification of the mixture and of the company/undertaking

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### 1.1 Product identifier

Mixture

#### Temporary trade name / designation

CerGrains

### 1.2. Relevant identified uses of mixture

Ceramic raw material

### 1.3 Details of the supplier of the safety data sheet

#### Supplier

Mihm-Vogt GmbH & Co. KG  
Friedrich-List-Str. 8  
D / 76297 Stutensee-Blankenloch

Telephone No: +49 (0) 72 44 – 70 87 10

Fax-No: +49 (0) 72 44 – 70 87 120

#### Importer

Telephone No: +49 (0) 72 44 – 70 87 10

Email: [info@mihm-vogt.de](mailto:info@mihm-vogt.de)

### 1.4 EMERGENCY TELEPHONE NUMBER

Telephone No: +49 (0) 72 44 – 70 87 10

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## SECTION 2: Hazards identification

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### 2.1 Label elements

#### Hazard pictograms

N/A

#### Hazard statements:

The product has no obligation to label according to regulation No 1999/ 45/ (EC)

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## SECTION 3: Composition/information on ingredients

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### 3.1 Mixtures

#### Hazardous ingredients

##### Aluminum oxide

EC-No:	215-691-6	Index-No:	-	CAS-No:	1344-28-1
Concentration	>	0	<	1	wt%
Classification	-				
Hazard pictograms	-	R-Phrases		-	

##### Zirconium dioxide

EC-No:	215-227-2	Index-No:	-	CAS-No:	1314-23-4
Concentration	>	88	<	96	wt%
Classification	-				
Hazard pictograms	-	R-Phrases		-	

##### Yttrium oxide

EC-No:	215-233-5	Index-No:	-	CAS-No:	1314-36-9
Concentration	>	4	<	6	wt%
Classification	-				
Hazard pictograms	-	R-Phrases		-	

##### Hafnium dioxide

EC-No:	235-013-2	Index-No:	-	CAS-No:	12055-23-1
Concentration	>	1	<	5	wt%
Classification	-				
Hazard pictograms	-	R-Phrases		-	

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## SECTION 4: First aid measures

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### 4.1 Description of first aid measures

#### General information

If symptoms persist, consult a physician

#### Following inhalation

Ensure fresh air

#### Following skin contact

In case of contact with skin rinse with water

#### Following eye contact

Spread eyelids, rinse eyes thoroughly with water (15 min.)

#### Following ingestion

Rinse mouth thoroughly with water

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## SECTION 5: Firefighting measures

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### 5.1 Extinguishing media

#### Suitable extinguishing media

Foam; extinguishing powder; carbon dioxide; Water spray

### 5.2 Special hazards arising from the mixture

N/A

### 5.3 Advice for fire-fighters

#### Special protective equipment for fire fighting

Use self-contained breathing apparatus. Wear protective suit.

#### Additional information

Collect contaminated fire fighting water separately; do not allow entering drains. Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

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### 6.1 Personal precautions, protective equipment and emergency procedures

Observe safety regulations (see sections 7 and 8). Ensure adequate ventilation. Avoid dust formation. Keep ignition sources away.

### 6.2 Environmental precautions

Do not empty into drains / surface water / ground water.

### 6.3 Methods and material for containment and cleaning up

Pick up mechanically. Transfer to appropriate containers for recovery or disposal.

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## SECTION 7: Handling and storage

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### 7.1 Precautions for safe handling

#### Advice on safe handling

Avoid dust formation and dust deposits. Ensure adequate ventilation. If the occupational exposure limits are exceeded, a suitable respiratory protection device must be worn.

#### Fire and explosion preventions

Avoid dust formation. Keep away from heat and sources of ignition.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Store in closed containers. Keep only in the original container.

#### Hints on storage assembly

N/A

#### Further information on storage conditions

Keep container tightly closed and in a cool, well-ventilated place.

#### VCI Storage class

13

Non-combustible solids

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## SECTION 8: Exposure controls/personal protection

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### 8.1 Control parameters

#### 8.1.1 Occupational exposure limits

##### Aluminum oxide

CAS-No : 1344-28-1

EC-No : 215-691-6

##### DFG

Aluminum, alumina, aluminum hydroxide-containing dusts (alveolar fraction)

Measured as alveolar fraction

Value 1,5 mg/m<sup>3</sup>

Pregnancy group D

##### DFG

Aluminum oxide

Fiber dust

Carcinogenic (C) 2

Pregnancy group -

##### DFG

Aluminum, alumina, aluminum hydroxide dusts (respirable fraction)

Measured as a respirable fraction

Value 4 mg/m<sup>3</sup>

Pregnancy group D

#### 8.1.2 General dust limit

##### TRGS 900

Top limit II(2) mg/m<sup>3</sup>

##### TRGS 900

Alveolar fraction

Value 3 mg/m<sup>3</sup>

##### TRGS 900

Respirable fraction

Value 10 mg/m<sup>3</sup>

##### Zirconium dioxide

CAS-No: 1314-23-4

EC-No: 215-227-2

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## DFG

Zirconium and its insoluble compounds

Measured as a respirable fraction

Value

1

mg/m<sup>3</sup>

Top limit

I(1)

Skin Absorption / Sensitization

Sah

Pregnancy group

D

## 8.2 Personal protective equipment

### Respiratory protection

If the occupational exposure limits are exceeded, a suitable respiratory protection device must be worn. Short term filter unit, filter P2

### Hand protection

Protective gloves (DIN EN 374)

### Eye protection

Protective goggles (DIN EN 166)

### General protection and hygiene measures

Do not smoke, eat or drink while working. Keep away from food and drink.

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## SECTION 9: Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

#### General Information

Form

Powder finer than 1mm

Colour

white

Odor

odorless

#### Important health, safety and environmental information

##### Changes in state

Type

Melting point

Value

N/A

##### Ignition temperature

Value

N/A

##### Density

Value

N/A

##### Water solubility

Remark

insoluble

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## SECTION 10: Stability and reactivity

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### 10.1 Substances to be avoided

N/A

### 10.2 Hazardous decomposition products

No hazardous decomposition products known.

### 10.3 Thermal decomposition

Remark	No decomposition if used according to specifications.
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## SECTION 11: Toxicological information

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### 11.1 Practical experience

Inhalation of dust can lead to irritation of the respiratory tract.  
Contact with skin and eyes may cause mechanical irritation.

### 11.2 Other Information

Product specific toxicological data are not known.

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## SECTION 12: Ecological information

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### 12.1 Other environmental effects

Do not discharge into drains or watercourses or store in public areas.

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## SECTION 13: Disposal considerations

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### 13.1 Waste treatment methods

#### Disposal of the product / package

##### Product

The allocation of a waste code number according to the European waste catalog (AVV) is to be carried out in consultation with the regional waste disposal company.

##### Package

Packagings must be emptied and disposed of properly in accordance with legal requirements.

Packaging which can not be completely emptied must be disposed of in agreement with the local waste disposal company.

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## SECTION 14: Transport information

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### 14.1 Other Information

The product is not subject to national and international transport regulations for road, rail, sea and air.

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## SECTION 15: Regulatory information

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### 15.1 Safety, health and environmental regulations / legislation specific for the mixture

#### 15.1.1 EU regulations

Labeling according to EC directives

##### Hazard pictograms

- N/A

##### R-Phrases

- N/A

##### S-Phrases

- N/A



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## Directive 96/82 / EC on the control of major-accident hazards involving dangerous substances (Hazardous Substances Ordinance)

Note Annex I, part 1 + 2: not mentioned. Regarding possible decomposition products see section 10.

### 15.1.2 National regulations (Germany)

#### Water hazard class

Class 1

Source Classification according to VwVwS, Annex 4 (point 3)

#### National chemical inventories

EINECS / ELINCS (European Community) component listed

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## SECTION 16: Other information

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### 16.1 Other notes

This information is based on our present knowledge. The Safety Data Sheet describes products with regard to safety requirements. The data do not have the meaning of property assurances.