

# Material Safety Data Sheet

according to regulation (EC) No 1906/2006 (REACH)



Product No: 4000

Trade name: Kernel and shell granulate

Revision date: 2010-06-01

## 1 PRODUCT AND COMPANY IDENTIFICATION

Trade name: Kernel and shell granulate

Article No:

Product category: Natural product abrasive

Intended use: Surface treatment without removing base material

Manufacturer: Eisenwerk Würth GmbH  
Jagstfelder Straße 14  
D-74177 Bad Friedrichshall  
www.eisenwerk-wuerth.de

Information contact: Technical management: 0049-7136-9898-32

Emergency telephone: Technical management: 0049-7136-9898-32

## 2 ADVERSE PHYSICOCHEMICAL EFFECTS

The unused product does not contain any components in concentrations which require a classification as a hazardous substance according to regulation (EC) No 548/1967.

During mechanical application (e.g. in blasting machines), dust and vapour may occur. The usual precautions should be taken. The statutory limit values for dust and vapour in your country have to be observed.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical characterisation/Identification number

Main ingredients	Hazard symbols.	Percent by weight	R-Phrases	CAS	EINECS
Carbon	--	40-50	--	7440-44-0	231-153-3
Oxygen	O	40-50	R8	7782-44-7	231-956-9
Hydrogen	F+	5-10	R12	1333-74-0	215-605-7

The ingredients mentioned above are not free available. All ingredients are bond firmly in the molecular matrix.

## 4 FIRST AID MEASURES

In case of inhalation: Ensure sufficient fresh air supply and consult a physician if necessary.

In case of skin contact: No measures necessary.

In case of eye contact: Rinse out with plenty of water for at least 10 minutes with the eyelids held wide open. Consult an ophthalmologist.

In case of ingestion: Irrelevant.

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### 5 FIRE-FIGHTING MEASURES

The product is flammable.

Suitable extinguishing media: Water, foam, powder

In case of fire hazardous combustions-products may be generated.

### 6 ACCIDENTAL RELEASE MEASURES

For the unused product, no special measures are necessary.

Spilled material should be removed immediately by dry cleaning.

### 7 HANDLING AND STORAGE

Handling: No further requirements.

Storage: Keep in a dry place.

### 8 EXPOSURE CONTROL/PERSONAL PROTECTION

Specific control parameters are only defined for the elements in the alloy, whereas no such limits have been established for the alloy as such in the EC.

Dust and vapor have to be maintained below the statutory limits in your country by providing adequate suction facilities.

Hand protection: Not necessary. Skin protection cream is recommended.

Eye protection: Safety glasses.

Feet protection: Safety shoes are recommended.

Protective clothing: Normal working clothes are sufficient.

Respiratory protection: Disposable dust mask is recommended, type FFP2.

Avoid contact with skin, eyes and mucosa.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	solid
Colour:	light brown
Odour:	none
pH-Value:	insoluble in water
Melting point:	none
Boiling point:	no data available
Flash Point:	no data available
Ignition temperature:	~180°C
Lower explosion limit:	no data available

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Upper explosion limit:	no data available
Vapor pressure (20°C):	no data available
Vapor density:	no data available
Evaporation number (Ether):	no data available
Density:	~0,95 g/cm <sup>3</sup>
Bulk density:	~0,72 g/cm <sup>3</sup> (depends on the grain class)
Humidity:	~9%
Hardness:	Mohs 2,5
Solubility in water:	insoluble in water
Dynamic viscosity:	no data available

### 10 STABILITY AND REACTIVITY

Thermal decomposition:	no data available
Conditions to be avoided:	no data available
Hazardous reactions:	no data available
Decomposition products:	no data available

### 11 TOXICOLOGICAL INFORMATION

There are no quantitative data for the product. It can be assumed, that there are no toxic effects in case of an appropriate handling and use of the product.

Irritation to the skin:	none
Irritation to the eyes:	none
Sensitisation:	none

### 12 ECOLOGICAL INFORMATION

The product is not soluble in water, no precautions required.

### 13 DISPOSAL INFORMATION

Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations.

### 14 TRANSPORT INFORMATION

No dangerous good in sense of transport regulations.

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### 15 REGULATORY INFORMATION

Labelling according to EC Directives: none

Hazard symbols: none

R-phrases: none

S-phrases: none

### 16 OTHER INFORMATION

Text of any R-phrases referred to under heading 3:

R8 Contact with combustible material may cause fire

R12 extremely flammable

**The indications made in this Safety Data Sheet are based on the present state of our know-how and experience. The Safety Data Sheet describes the unused product in view of safety requirements. The indications do not constitute any guarantee with regard to product and do not create a contractual legal relationship.**

**All information given above refers to the unused product. As a result of mechanical application changes in the chemical and physical properties could not be excluded. The chemical and physical properties of the waste strongly depend on the conditions of use. All indications made in this Safety Data Sheet concerning composition, dangers, first aid, fire-fighting measures, accidental release measures, handling and storage, exposure control and personal protection, physical and chemical properties, stability and reactivity, toxicological information, ecological information, disposal information, transport information and regulatory information are only valid for the unused product and not for abrasive waste.**

**It is the responsibility of the user to find out all the necessary information.**

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