



# Hydrocorns

## 1. Identification of the substance or the preparation and of the company

### 1.1. Product Name:

*Hydrocorns 2-5, 4-8, 4-10, 8-16, 20-25, broken, Geo*

### 1.2. Product usage: \_\_\_\_\_

Customized

### 1.3. Supplier:

*Jongkind BV  
Oosteinderweg 357  
1432AX AALSMEER*

*Tel. 0031 -297324505 Fax 0031-297320383 Email: [info@jongkind-substrates.com](mailto:info@jongkind-substrates.com)*

### 1.4 Emergency Telephone number:

*Tel. Not applicable*

## 2. Composition and information about the components:

**2.1 Substance / preparation:** -- Substance                      X Preparation

### 2.2 Chemical characterization of the product:

*Inert ceramic product (baked clay)–  
REACH-registration: not subject to registration*

### 2.3 Ingredients:

Ingredient	CAS-Nr.	INDEX-Nr.	EG-Nr.	Gevaren- symbol	R-phrases	Weight share %
<i>SiO<sub>2</sub> (quartz)</i>	<i>14808-60-7</i>	<i>-</i>	<i>238-878-4</i>	<i>-</i>	<i>-</i>	<i>about 60</i>
<i>Al<sub>2</sub>O<sub>3</sub></i>	<i>1344-28-1</i>	<i>-</i>	<i>215-691-6</i>	<i>-</i>	<i>-</i>	<i>about 20</i>
<i>Iron compounds indicated as Fe<sub>2</sub>O<sub>3</sub></i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>about 10</i>
<i>Alkali oxide</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>about 10</i>

## **3. Identification of hazards (risks):**

### **3.1 Classification of risks:**

*No classification. Note the information in this MSDS.*

### **3.2 Specific risks to health and environment**

*No specific risks to health and the environment.*

#### **3.2.1 Physical – chemical risks**

*None.*

#### **3.2.2 Risks to health**

*The product develops an alkaline pH-value with water and may irritate.*

#### **3.2.3 Environmental risks:**

*None.*

## **4. First aid measures:**

### **4.1 General information:**

*Seek medical assistance if any symptoms persist.*

### **4.2 Inhalation:**

*Seek medical attention if respiratory irritation develops*

### **4.3 Skin contact**

*Wash with soap and water*

### **4.4 Eye contact**

*Immediately carefully and thoroughly flush eyes with clean water or eyewash. For eye irritation seek medical assistance.*

### **4.5 Swallowing:**

*None.*

### **4.6 Protection of First aid people:**

*No protection is required except when heavy dust develops (see 7).*

### **4.7 Advice to the doctor:**

*None.*

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## 5. Fire fighting measures:

### **5.1 Suitable extinguishing agents:**

*Substance itself does not burn. Use extinguishing agent suitable for the particular environment.*

### **5.2 On safety reasons unsuitable extinguishing agents:**

*None.*

### **5.3 Specific risks:**

*None.*

### **5.4 Special protective equipment for firefighters:**

*None.*

## 6. Measures in the event of accidental release of the substance or preparation:

### **6.1 Personal precautions**

*Avoid breathing dust. Refer to protective measures listed in paragraphs 7 and 8.*

### **6.2 Environmental precautions**

*None*

### **6.3 Procedure for cleaning**

*Avoid dust.*

## 7. Handling and storage

### **7.1 Handling**

#### **7.1.1. Information for safe handling:**

*It is recommended to use a method that avoids eye contact and inhalation of dust.*

#### **7.1.2 Technical measures:**

*Dust needs to be exhausted at the source immediately.*

#### **7.1.3 Specific requirements or regulations**

*None.*

#### **7.1.4 Information about fire and explosion**

*The product is not flammable.*

### **7.2 Storage**

#### **7.2.1 Technical measures and storage conditions**

*Application specific. In confined spaces and in rooms with inadequate ventilation use particulate respirator: Filtering half mask type P2 FE S according tot EN 149  
No special protective clothing is required.*

#### **7.2.2 Packaging:**

*PE film*

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## 7.3.1. Requirements for storage rooms and containers:

*Application specific*

*Particulates should be stored in confined spaces.*

## 7.3.2. Temperature at storage

*Application specific*

## 7.3.3 Humidity (%):

*Application specific*

## 7.3.4 Shelf life:

*Unlimited.*

## 7.3.5 Maximum storage time:

*Unlimited or application specific.*

## 7.3.6 Storage classification:

*No classification.*

## **7.3 Specific use:**

*No information.*

## **8. Measures to control exposure / individual protection:**

### **8.1 Exposure Limit**

#### **8.1.1 Components with occupational exposure limit values of biological limit:**

##### **8.1.1.1 Occupational exposure limits:**

*SiO<sub>2</sub> (quartz) 0.075 mg/m<sup>3</sup> based on inhalable fraction.*

*Quartz (including Cristobalite und tridymite) is known as silicosis forming substance. Therefore the limit of 0.075 mg/m<sup>3</sup> (inhalable fraction) is specified. The effect of quartz dust (including Cristobalite and tridymite) is an impact in the longer term and largely depends on the average dust concentration (inhalable fraction) by prolonged exposure.*

### **8.2 Limitation and control of exposure**

#### **8.2.1 Monitoring of exposure at the workplace:**

*See paragraph 7. No further action required..*

#### **8.2.2 Personal protective equipment**

##### **Respiratory Protection:**

*Respiratory protection is required when dust develops.*

##### **Suitable respiratory protection:**

*Filtering half mask type P2 FE S according tot EN 149*

##### **Hand and body protection:**

*Not required.*

##### **Eye protection:**

*Not required.*

## 9. Physical and chemical characteristics:

### 9.1 General information

#### 9.1.1 Appearance

State of aggregation: *Solid: hard, round or angular corns, lightly sand with dust*

Colour: *Grey / brown*

Odour: *neutral*

#### 9.1.2 Important values to health, environment, safety.

pH-value (in aqueous solution) *7,0 – 10,0*

#### **Change of state:**

Melting point: *1100 – 1150 °C*

Boiling point: *N/A*

Flashpoint: *N/A*

Flammability: *N/A*

Spontaneous combustion temperature: *N/A*

Oxidizing properties: *N/A.*

Explosion danger: *N/A*

Vapour pressure: *N/A*

Density: *320 – 700 kg/m<sup>3</sup>- dry  
(depending on the type of hydrocorn)*

#### **Solubility:**

in water (g/l): *insoluble*

in grease (g/l): *insoluble*

## 10. Stability and reactivity:

### 10.1 Conditions to prevent:

*None.*

### 10.2 Materials to prevent:

*None.*

### 10.3 Hazardous products of decomposition:

*None.*

## 11. Toxicological information:

### **11.1 Toxicity / irritation / sensitization**

#### **11.1.1 swallowing:**

*None (toxic) effects are known.*

#### **11.1.2 skin irritation:**

*None (toxic) effects are known.*

#### **11.1.3 inhalation:**

*None (toxic) effects are known.*

#### **11.1.3 eye contact:**

*Irritation of the eyes by dust: thoroughly flush eyes with clean water. Seek for medical assistance.*

### **11.2 Specific symptoms / animal studies**

*No data available.*

### **11.3 Carcinogenic, mutagenic and reproductive adverse effects**

*No carcinogenic, mutagenic or reproductive adverse effects are known.*

### **11.4 Practical experience**

*No data available*

### **11.5 General remarks**

*No data available.*

## 12. Ecological information:

### **12.1 Eco toxicity**

*No eco toxicological effects are known.*

### **12.2 Mobility**

*Not applicable*

### **12.3 Persistence / biodegradability**

*Not applicable*

### **12.4 Bioaccumulation**

*Not applicable*

### **12.5 Other information**

*None.*

## 13. Instructions for disposal:

### **13.1 Disposal (Product):**

*Disposal in accordance with national laws and regulations.*

*Untreated product is non-hazardous waste.*

*Disposal of treated product focuses on the area of origin and applied contaminants.*

*Enable a professional waste disposal company for appropriate disposal.*

### **13.2 Packaging:**

*Complete empty packaging should be disposed conform to the requirements on the packaging.*

## 14. Information about transport:

### **14.1 Land transportation (ADR/RID)**

*None.*

### **14.2 Inland transport (ADN/ADNR)**

*None.*

### **14.3 Sea transport (IMDG)**

*None.*

### **14.4 Air transport (ICAO-TI / IATA-DGR)**

*None.*

### **14.5 Other information**

*Niet dangerous according to: ADR/RID, ADNR, IMDG-Code, IATA-DGR*

## 15. Legally required information:

### **15.1 Labelling**

*According to EU-directive 67/548/CEE and 1999/45/CE this product does not need to be labeled. .*

### **15.2 Risk recommendations**

*Not applicable*

### **15.2 Safety recommendations**

*Not applicable*

### **15.2 Symbols**

*Not applicable*

## 16. Other information:

### **16.1 MSDS history:**

*Edition number v1. First published 01-12-2010*

### **16.2 Other information:**

*This information gives the health, safety and environmental requirements in terms of storage, transportation, processing and disposal of this product based on our current knowledge and no statement or guarantee of product performance. The information in this MSDS is based on our current knowledge of this product.*

*The information is not transferable to other products. The information in this MSDS named is not specifically transferable if this product is processed, processed in- or mixed with other substances / products.*

