

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



**Product name :** WIRBELWIND 8161 / 8162 / 8163  
**Revision :** 08.10.2009      **Version :** 1.0.0  
**Print date :** 29.03.2010

---

## **01. Identification of the substance/mixture and of the company/undertaking**

### **Product name**

WIRBELWIND 8161 / 8162 / 8163 (8161 - 8163)

### **Use of the substance / mixture**

Printing chemical for industrial and/or professional use

### **Manufacturer/Supplier**

Bernd Schwegmann GmbH & Co. KG

### **Street/P.O.Box**

Wernher-von-Braun-Str. 14

### **Country code/Postal code/Town/City**

D-53501 Grafschaft-Gelsdorf

### **Telephone / Telefax**

+49 22 25 / 92 26-0 / +49 22 25 / 92 26-48

### **Contact person Material Safety Data Sheet**

E-Mail: MSDS@SchwegmannNet.de

### **Emergency information**

+49 61 31 / 19 24 0 (Universitätsklinikum Mainz)

---

## **02. Hazards identification**

### **Classification**

No danger symbols

### **Additional information**

Danger of dust explosion.

---

## **03. Composition/information on ingredients**

### **Chemical characterization**

Dusting powder on a vegetable basis

### **Hazardous components**

-

### **Further components**

STARCH ; EC-No. : 232-679-6; CAS-No. : 9005-25-8

Percentage : 85 - 100 %

---

## **04. First-aid measures**

### **General**

In all cases of doubt, or when symptoms persist, seek medical attention.

### **After inhalation**

Let in fresh air.

Call a doctor, should the air passages be affected.

### **After skin contact**

Wash away with soap and water and rinse.

### **After eye contact**

Flush with plenty of water.

### **After ingestion**

Drink water (< 0,2 L).

### **Notes to a physician**

No data available.

---

## **05. Fire-fighting measures**

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



**Product name :** WIRBELWIND 8161 / 8162 / 8163  
**Revision :** 08.10.2009      **Version :** 1.0.0  
**Print date :** 29.03.2010

---

## **Suitable extinguishing media**

Use water spray jet in the danger area.

## **Unsuitable extinguishing media**

Carbon dioxide.

## **Special risk posed by the substance or by the actual mixture, its combustion products or gases discharged**

In case of fire toxic gases may be formed: carbonmonoxid

---

## **06. Accidental release measures**

### **Personal precautions**

Refer to protective measures listed in sections 7 and 8.

### **Environmental precautions**

Take-up mechanically and remove according to regulations(Chapter 13).

### **Methods for cleaning up/collecting**

Contain and collect spillage with a vacuum cleaner (conducting type) or by wet brushing and place in container for disposal according to local regulations. (See section 13).  
Rinse away residues with plenty of water.

---

## **07. Handling and storage**

### **Information for safe handling**

Normal precautions taken when handling chemicals should be observed.

### **Information about protection against explosions and fires**

Avoid dust development, danger of dust explosion.  
Keep away from ignition sources - No smoking.  
Electrical facilities must comply with the Explosion Protection Standard.

### **Requirements to be met by storerooms and containers**

Keep containers dry and cool.

### **Information about separation of incompatible products**

Keep away from strong oxidising agents.

### **Further information about storage conditions**

**Storage class :** 13

### **Specific uses**

Anti-offset powder for offset printing  
For further information refer to our technical data sheet.

---

## **08. Exposure controls/personal protection**

### **Additional information about engineering measures**

Make sure that ventilation is adequate. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.  
See also "UVV" (=German prevention of accident regulations). BGR 190<sup>2</sup>.

### **Components with critical values that require monitoring at the workplace (exposure limits)**

The usual precautionary measures for the handling of chemicals have to be observed.

#### **ALLGEMEINER STAUBGRENZWERT**

Specification : TRGS 900 - maximum limit in the atmosphere at the workplace ( D )  
Parameter : incidentally, alveolar-dependant fraction  
Value : 3 mg/m<sup>3</sup>  
Category : 2(II)  
Remarks : AGS  
Version date : 01.01.2006

Specification : TRGS 900 - maximum limit in the atmosphere at the workplace ( D )  
Parameter : incidentally, inhaleable fraction

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



**Product name :** WIRBELWIND 8161 / 8162 / 8163  
**Revision :** 08.10.2009      **Version :** 1.0.0  
**Print date :** 29.03.2010

Value : 10 mg/m<sup>3</sup>  
Category : 2(II)  
Remarks : AGS  
Version date : 01.01.2006

## References to the thresholds

Recommended analysis methods for workplace readings: See the series of publications by the German Federal Institute for Occupational Safety and Medicine (Bundesanstalt für Arbeitsschutz und Arbeitsmedizin - BAuA)<sup>1</sup>

## Personal protective equipment

### Respiratory protection

Avoid inhaling the powder.  
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

### Hand protection

Protective gloves, PVC (according EN 420 and EN 374)  
Thick (mm): 0,6  
Penetration time (s): > 28800 (LEVEL 6) (Literature value)

### Eye protection

Use safety goggles with side protection, which comply with EN 166:2001.

## Environmental precautions

Refer to protective measures listed in section 6.

## 09. Physical and chemical properties

### Image

**Form :** Powder.  
**Colour :** White.  
**Odour :** Not noticeable.

### Relevant safety data

<b>Melting point / range :</b>		inapplicable	literature
<b>Boiling point / range :</b>	( 1013 hPa )	inapplicable	literature
<b>Flash point :</b>		inapplicable	ISO 1523
<b>Ignition temperature :</b>	>	370 °C	DIN 51794
<b>Lower explosion limit :</b>	( 20 °C )	30 - 60 g/m <sup>3</sup>	EN 1839
<b>Vapour pressure :</b>	( 50 °C )	not applicable	(calculated)
<b>pH-Wert :</b>	( 20 °C / 200 g/l )	6 - 8	DIN 19268
<b>Flow time :</b>	( 20 °C )	inapplicable	DIN-cup 4 mm
<b>Content VOC (EU):</b>		0 %	(calculated)

### Additional information

Additional physico-chemical data is unavailable.

## 10. Stability and reactivity

### Conditions to avoid

Avoid dust development.

### Materials to avoid

Reaction with oxidizing agents possible.

### Hazardous decomposition products

None, if handled according to order.

### Further information:

Danger of dust explosion.

## 11. Toxicological information

### Toxicological tests

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



**Product name :** WIRBELWIND 8161 / 8162 / 8163  
**Revision :** 08.10.2009      **Version :** 1.0.0  
**Print date :** 29.03.2010

---

Acute toxicity, skin irritation, mucous membrane irritation, genetic altering potential and skin sensitivity will be assessed by the manufacturer based on the available component data.

## **Experience on practice**

Powder can cause localised skin irritation in folds of the skin or in contact with tight clothing.

## **Additional toxicological information**

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

---

## **12. Ecological information**

### **Details on elimination (persistence / degradability)**

#### **Biological degradation / elimination**

The product is biodegradable.

### **Results of PBT assessment**

According to our data the product does not contain PBT-substances.

---

## **13. Disposal considerations**

### **Substance / mixture**

In accordance with local official regulations. Remove in accordance with regulations.

#### **Recommendation**

Precise waste material code to be agreed upon with waste disposer

#### **Waste key**

EC-Waste Code: 16 03 06

### **Contaminated packaging**

#### **Recommendation**

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant.

---

## **14. Transport information**

### **Land transport ADR/RID**

#### **Classification**

**Class :** -

### **Maritime transport IMDG/GGVSea**

#### **Classification**

**Class:** -

### **Air transport ICAO-TI and IATA-DGR**

#### **Classification**

**Class :** -

### **Additional transport information**

The product does not constitute a hazardous substance in national / in-ternational road, rail, sea and air transport.

---

## **15. Regulatory information**

According to REACH Articles 14 or 37 it is not required to prepare a chemical safety report. Therefore exposure scenarios are not placed in an annex to this safety data sheet.

### **Classification according to EC directives**

No danger symbols

### **National regulatory information**

#### **Water pollution classification**

**Class :** nwg according VwVwS

---

## **16. Other information**

Literature:

<sup>1</sup> <http://www.baua.de>

<sup>2</sup> <http://www.arbeitssicherheit.de>

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



**Product name :** WIRBELWIND 8161 / 8162 / 8163  
**Revision :** 08.10.2009      **Version :** 1.0.0  
**Print date :** 29.03.2010

---

The details in this material safety data sheet satisfy national and EC legislation.

## **Restrictions on use recommended by the manufacturer**

Private consumer are advised not to use this product.

## **Further information**

### **Relevant changes**

12. Ecological information · 15. Regulatory information

### **R-Phrases of components**

The details refer to the separate ingredients, not to the product.

## **Contact**

Dipl.-Chem. (FH) Gabriele Janssen · Tel. +49 (0) 22 25 / 92 26-12, Fax -48

---

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

---