

# Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 28.05.2010

Version: 3.0

Product: **F200 1/8"**

(30286124/SDS\_GEN\_GB/EN)

Date of print 29.05.2010

## 1. Identification of the substance/mixture and of the company/undertaking

### **F200 1/8"**

Use: Adsorbent for the chemical industry

Company:

BASF SE

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GERMANY

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International emergency number:

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## 2. Hazards Identification

### **According to REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures**

Label elements and precautionary statement:

The product does not require a hazard warning label in accordance with GHS criteria.

Classification of the substance and mixture:

No need for classification according to GHS criteria for this product.

### **Possible Hazards (according to Directive 67/548/EWG or 1999/45/EC)**

No particular hazards known.

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### 3. Composition/Information on Ingredients

#### Chemical nature

aluminium oxide (Content (W/W):  $\geq 82\%$  -  $\leq 94\%$ )

CAS Number: 1344-28-1

EC-Number: 215-691-6

| Water (Content (W/W):  $\geq 6\%$  -  $\leq 16\%$ )

| CAS Number: 7732-18-5

| EC-Number: 231-791-2

#### Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

No particular hazards known.

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### 4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Rinse mouth and then drink plenty of water.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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### 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, foam, dry powder, water spray

Specific hazards:

No particular hazards known.

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.

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## 6. Accidental Release Measures

Personal precautions:

Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with the skin, eyes and clothing. Use personal protective clothing. Information regarding personal protective measures see, chapter 8.

Environmental precautions:

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Dampen, pick up mechanically and dispose of.

Avoid raising dust. Reclaim for processing if possible. Dispose of absorbed material in accordance with regulations.

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## 7. Handling and Storage

### Handling

Avoid inhalation of dusts/mists/vapours. Avoid the formation and deposition of dust. Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection. Provide appropriate exhaust ventilation at machinery.

Protection against fire and explosion:

Product is not explosive.

### Storage

Segregate from reducing agents.

Further information on storage conditions: Keep container tightly closed in a cool, well-ventilated place.

Storage stability:

Keep container dry.

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## 8. Exposure Controls/Personal Protection

### Components with workplace control parameters

The general dust limit value is to be kept.

1344-28-1: aluminium oxide

TWA value 10 mg/m<sup>3</sup> (EH40 (UK)), Inhalable dust

TWA value 4 mg/m<sup>3</sup> (EH40 (UK)), Respirable dust

#### Personal protective equipment

Respiratory protection:

Breathing protection if dusts are formed. Particle filter with low efficiency for solid particles (e.g. EN 143 or 149, Type P1 or FFP1)

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

No eating, drinking, smoking or tobacco use at the place of work.

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## 9. Physical and Chemical Properties

Form: solid in various forms

Colour: off-white

Odour: odourless

pH value: 9.4 - 10.1

Melting point: 2,050 °C

Flash point:

Non-flammable.

Self ignition:

not self-igniting

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

Bulk density: approx. 650 kg/m<sup>3</sup>

Solubility in water: insoluble

Partitioning coefficient n-octanol/water (log Pow):  
not applicable

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Surface tension: (other)  
Based on chemical structure, surface activity is not to be expected.

Viscosity, dynamic: not applicable

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## 10. Stability and Reactivity

Conditions to avoid:  
Avoid deposition of dust. Avoid dust formation.

Thermal decomposition: No decomposition if used correctly.

Substances to avoid:  
water, reducing agents

Corrosion to metals: No corrosive effect on metal.

Hazardous reactions:  
No hazardous reactions known.  
The product is chemically stable.

Hazardous decomposition products:  
No hazardous decomposition products known.

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## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:  
Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Virtually nontoxic after a single ingestion. The product has not been tested. The statement has been derived from the properties of the individual components.

### Irritation

Assessment of irritating effects:  
Not irritating to the eyes. Not irritating to the skin. Not irritating to the respiratory system. The product has not been tested. The statement has been derived from the properties of the individual components.

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## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

**Toxicity to fish:**

LC50 (96 h) > 500 mg/l, *Leuciscus idus* (DIN 38412 Part 15, static)

The product has not been tested. The statement has been derived from products of a similar structure and composition.

**Aquatic invertebrates:**

(48 h) > 100 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

**Aquatic plants:**

No observed effect concentration (72 h) > 100 mg/l, *Selenastrum capricornutum* (OECD Guideline 201, static)

**Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Not applicable for inorganic substances.

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**13. Disposal Considerations**

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

**Contaminated packaging:**

Uncleaned empties should be disposed of in the same manner as the contents.

Dispose of in accordance with national, state and local regulations.

Contact manufacturer regarding recycling.

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**14. Transport Information****Land transport**

ADR

Not classified as a dangerous good under transport regulations

RID

Not classified as a dangerous good under transport regulations

**Inland waterway transport**

ADNR

Not classified as a dangerous good under transport regulations

**Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

**Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

**Regulations of the European union (Labelling) / National legislation/Regulations**

Directive 1999/45/EC ('Preparation Directive'):

The product does not require a hazard warning label in accordance with EC Directives.

**Other regulations**

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

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## 16. Other Information

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Vertical lines in the left hand margin indicate an amendment from the previous version.

If you have any queries relating to this MSDS, it's contents or any other product safety related questions, please write to the following e-mail address: [product-safety-north@basf.com](mailto:product-safety-north@basf.com)

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.