

# Safety Data Sheet

In conformity with Ordinance (EU) No. 1907/2006



Trade name : **FLUISORB®**  
Revised : 29.10.2013      Version : 4  
Printed : 29.10.2013

## 01. Designation of the substance or preparation and company name

**Trade name:** **FLUISORB®**

**Use of substance / preparation:** Oil binder type III R  
**Based on renewable raw materials**

**Manufacturer / Supplier:** Kalle GmbH

**Road / P.O.Box:** Rheingaustraße 190-196

**National identification / Postcode / Location:** D – 65203 Wiesbaden, Germany

**Contact for technical information:** Kalle GmbH Wiesbaden, Business Line  
Sponge Cloth

**Telephone:** +49 (0)611 962 6602  
**Telefax:** +49 (0)611 962 9247  
**E-Mail:** [hans-juergen.theis@kalle.de](mailto:hans-juergen.theis@kalle.de)  
**Homepage:** [www.kalle.de](http://www.kalle.de)

**Information in an emergency:** +49 (0)611 962 6100

## 02. Potential hazards

**Hazard designation:** None

**Additional information concerning hazards to humans and the environment:** None

## 03. Composition / Details concerning constituents

**Chemical characterisation:** **FLUISORB®** consisting of cellulose and cotton / Contains magnesium chloride

**Dangerous ingredients:** **Magnesium chloride hexahydrate**  
CAS: 7791-18-6      EINECS: 232-094-6  
< 5.5 % weight-%  
Not subject to compulsory identification

**Substances with statutory EU limit values:** **FLUISORB®** does not contain substances that exceed the EU limit value of >0.1 weight.-%

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**Kalle**  
Tradition Δ Dynamik Δ Zukunft

## 04. First Aid Measures

|                                    |   |
|------------------------------------|---|
| <b>General information:</b>        | <b>FLUISORB®</b> - No specific health hazards are known   |
| <b>After inhalation:</b>           | Ensure fresh air immediately.<br>Consult a doctor in the event of complaints                                |
| <b>After skin contact:</b>         | None required   |
| <b>After eye contact:</b>          | In the event of contact rinse the eyes thoroughly with water<br>Consult a doctor in the event of complaints |
| <b>After ingestion:</b>            | Consult a doctor immediately<br>Danger of intestinal obturation !   |
| <b>Information for the doctor:</b> | <b>FLUISORB®</b> contains magnesium chloride (<5.5 weight-%)  |

## 05. Fire-fighting measures

|   |  |
|---|--|
| <b>Suitable extinguishing agents:</b>   | Foam, extinguishing powder, carbon dioxide, water; the product itself is hardly flammable. Adapt extinguishing measures to whatever absorbent or to the surrounding fire   |
| <b>Inappropriate extinguishing agents:</b>  | Avoid a solid jet of water   |
| <b>Specific hazards associated with the substance or preparation, its combustion products or arising gases:</b> | Combustion gives rise to the danger of the formation of toxic pyrolysis products and carbon dioxide / carbon monoxide  |
| <b>Special protective equipment during fire fighting:</b>   | A respirator that is independent of the ambient air is recommended   |
| <b>Additional information:</b>  | Fire residues and contaminated fire-fighting water must be disposed of in conformity with the regulations of the local authorities; <b>FLUISORB®</b> absorbs fire-fighting water up to approx. 20-fold of its own weight. Observe the maximum ceiling load ! |

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## 06. Measures in the event of accidental release

|   |  |
|---|--|
| <b>Person-related precautionary measures:</b> | <b>None</b>  |
| <b>Environment protection measures:</b>       | <b>None; only following contamination with environment polluting substances do not allow it to drain off into the sewage system or surface water, or to seep into the ground</b> |
| <b>Cleaning processes / pick-up:</b>          | <b>Mechanical pick-up and disposal in conformity with local regulations</b>  |
| <b>Additional information:</b>                | <b>None</b>  |

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## 07. Handling and storage

|   |  |
|---|--|
| <b>Information concerning safe handling:</b>                | <b>None</b>  |
| <b>Information concerning fire and explosion protection</b> | <b>The product is hardly flammable; no special measures necessary</b>  |
| <b>Further information:</b>                                 | <b>None</b>  |
| <b>Information concerning storage conditions:</b>           | <b>Store in a dry area</b>   |
| <b>Requirements expected of storage rooms and bins</b>      | <b>Store in the original closed container</b>  |
| <b>Storage Class VCI :</b>                                  | <b>13</b>  |
| <b>Intended use:</b>  | <b>FLUISORB® is a tested type III R oil binder that must be applied in conformity the regulations of the local authorities</b> |

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## 08. Limiting and monitoring exposure / Personal protection equipment

Limit values for exposure at the workplace and / or biological limit values

|   |  |
|---|--|
| Workplace limit values (AGW) Germany:         | None   |
| Workplace limit values of the European Union: | None   |
| Limiting and monitoring exposure:             | Not applicable   |
| Personal protection equipment:                | Not necessary for <b>FLUISORB®</b> , otherwise dependent on absorbed product |
| Respiratory protection:                       | Not necessary  |
| Protection of the hands:                      | Not necessary  |
| Protection of the eyes:                       | Not necessary  |
| Protection of the body:                       | Not necessary  |
| Details concerning work hygiene:              | Not necessary  |
| Environment protection measures:              | No specific measures necessary   |

## 09. Physical and chemical properties

|                  |                                |
|------------------|--------------------------------|
| Appearance       |                                |
| Aggregate state: | Solid (open-pored) / granulate |
| Colour :         | Multi-coloured                 |
| Smell :          | Odourless / type typical       |

### Safety-relevant data

|                         |                               |
|-------------------------|-------------------------------|
| Explosion hazard:       | Not explosive                 |
| Lower explosion limit : | Not applicable                |
| Upper explosion limit : | Not applicable                |
| Vapour pressure :       | approx. 11 mbar               |
| Density :               | approx. 110 kg/m <sup>3</sup> |
| Efflux time :           | Not applicable                |
| Water solubility:       | Insoluble                     |
| pH-value:               | 4 - 8                         |
| Boiling point/ range :  | Not applicable                |
| Flash point :           | Not applicable                |
| Ignition temperature :  | >290 °C DIN 40634             |

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## 10. Stability and reactivity

**Conditions to be avoided:** No dangerous reactions known

**Substances to be avoided:** Contact with acids and oxidants

**Dangerous decomposition products:** **FLUISORB®** consists of a cellulose / cotton mixture. There are no specific dangerous decomposition products. Thermal decomposition commences above 220 °C

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## 11. Toxicological details

**Toxicological tests:** Not applicable; **FLUISORB®** does not contain any dangerous substances or relevant toxic substances

**Experience gained in practice:** Not applicable

**Details concerning ingredients:** See Point 3 for details

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## 12. Environment-related details

### Eco-toxicity:

|                        |                |
|------------------------|----------------|
| Fish toxicity:         | Not determined |
| Aquatic invertebrates: | Not determined |
| Aquatic plants:        | Not determined |

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### Mobility:

The magnesium chloride contained in **FLUISORB®** (<5.5 weight-%) can be washed out by water

### Persistence and degradability:

**FLUISORB®** can be 100% decomposed

### Bio-accumulation potential:

No bio-accumulation potential

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**Result of establishing the PBT properties:**

There are no data regarding harmful persistence, bio-accumulation or toxicity properties relating to **FLUISORB®**

**Other harmful effects:**

No specific harmful effects relating to **FLUISORB®** are known

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**13. Information concerning disposal**

**Uncontaminated product:**

Can be composted in its original state; can be disposed of with the domestic rubbish if uncontaminated

**Contaminated (absorbed) product:**

To be disposed of in conformity with the Waste Code Number of the absorbed product (European Waste Catalogue), plus designation of the absorbed product with the reference:  
"..... bonded with the binder"

**Disposal of contaminated packing material:**

To be disposed of in conformity with the Waste Code Number of the absorbed product (European Waste Catalogue), plus designation of the absorbed product with the reference:  
"Contaminated with..."

**Waste Code according to Waste Index Ordinance**

**Product:** 150203

**Packaging:** 150102

**Contaminated packaging:**

To be disposed of in conformity with the Waste Code Number of the absorbed product (European Waste Catalogue), plus designation of the absorbed product with the reference:  
"Contaminated with..."

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## 14. Details concerning transport

### Land transport ADR/RID

|                               |                                  |
|-------------------------------|----------------------------------|
| <b>Classification:</b>        | <b>Not applicable</b>            |
| <b>Substance designation:</b> | <b>Not a dangerous substance</b> |
| <b>Danger initiator:</b>      | <b>Not applicable</b>            |
| <b>Packaging:</b>             | <b>Not a dangerous substance</b> |

### Sea transport IMDG/GGVSee

|                               |                                  |
|-------------------------------|----------------------------------|
| <b>Classification :</b>       | <b>Not applicable</b>            |
| <b>Substance designation:</b> | <b>Not a dangerous substance</b> |
| <b>Danger initiator:</b>      | <b>Not applicable</b>            |
| <b>Packaging:</b>             | <b>Not a dangerous substance</b> |

### Air transport ICAO-TI und IATA-DGR

|                               |                                  |
|-------------------------------|----------------------------------|
| <b>Classification:</b>        | <b>Not applicable</b>            |
| <b>Substance designation:</b> | <b>Not a dangerous substance</b> |
| <b>Danger initiator:</b>      | <b>Not applicable</b>            |
| <b>Packaging:</b>             | <b>Not a dangerous substance</b> |

|                                       |                    |
|---------------------------------------|--------------------|
| <b>Dispatch by the postal service</b> | <b>Permissible</b> |
|---------------------------------------|--------------------|

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## 15. Legal stipulations

**Substance safety assessment:**

**Not applicable**

**Identification according to EU Guideline**

**Identification letter(s) and danger designation(s) of the product:**

**Identification is not compulsory**

**Stipulating a danger-determining component when labelling:**

**Not applicable. FLUISORB® is not a dangerous substance.**

H-phrases:            -/-  
P-phrases:            -/-

**EU regulations :**

**FLUISORB® is a product in the meaning of Guideline 1907/2006/EU and does not contain any dangerous substances**

**National regulations:**

**Water endangering class:**  
Class :

**WGK 1 for the non-contaminated product**

**Technical Guidance for Air (TA Air):**

**Not applicable**

**Abnormal Incident Ordinance (12. BImSchV):**

**Not applicable**

**Solvent Ordinance (31. BImSchV):**

**Not applicable**

**Employment restrictions:**

**None**

## 16. Miscellaneous details

**Other EU guidelines likewise applicable:**

**Not applicable**

**Follow the restrictions recommended by the manufacturer:**

**Acids and oxidants**

**Other details**



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## Occupational medicine assessment and environment-technical verification:

According to the expertise of the Institute for Environment Hygiene - Hygiene Institute of the Ruhr – dated 24.09.2008 and 02.07.2013, there are **no reservations** from the occupational medicine and environment-technical standpoint against the use of the product ingredients listed in Section 3 as an oil binder.

All details are based on our present-day knowledge. They merely describe our products with regard to safety requirements and therefore do not take on the meaning of assuring specific properties. The completeness of the Safety Data Sheet, or its replacement for product checking, assessment and safety procedures are not claimed. This does not exclude the possibility of isolated and unforeseen allergic reactions. The information contained in this Safety Data Sheet is exclusively related to the described material and not to its use in conjunction with other substances or processes.

**Changes to the last version:**

**Yes**

**Authority issuing the Data Sheet:**

**Kalle GmbH  
October 2013**

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