

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/27/2013

Reviewed on 05/27/2013

## \* 1 Identification

- **Product identifier**
- **Trade name:** Adsorbon
- **Article number:** 2230
- **CAS Number:**  
70131-50-9
- **EC number:**  
274-324-8
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation**  
Highly active filter powder for regenerating solvent liquors in drycleaning. For use in Perc, hydrocarbon solvents, and Cyclosiloxane.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
- **Manufacturer:**  
Chemische Fabrik Kreussler & Co. GmbH  
Postfach 120454  
D-65082 Wiesbaden
- **Supplier:**  
Kreussler Inc., 6103 Johns Road Suit 7, Tampa, FL 33634,  
Phone 813-884-1499, Fax 813-884-1599,  
Internet: www.kreussler.com, e-mail: office-tampa@kreussler.com
- **Information department:**  
Abteilung TQM  
Herr Vogel  
+49 (0) 611 9271-175  
Kurt.Vogel@kreussler.com
- **Emergency telephone number:** +49 (0) 611 9271-0

## \* 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The substance is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

- **Other hazards**  
The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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· **vPvB:** Not applicable.

## \* 3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**  
70131-50-9 Bentonite, acid-leached
- **Identification number(s)**
- **EC number:** 274-324-8

## 4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Rinse with warm water.  
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Seek medical treatment.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## \* 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** Product itself does not burn.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information**  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

## \* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Avoid formation of dust.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.  
No dangerous substances are released.

## \* 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Keep receptacles tightly sealed.
- **Information about protection against explosions and fires:** No special measures required.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

## \* 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Vacuum clean contaminated clothing. Do not blow or brush off contamination.  
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Filter ABEK-P2
- **Protection of hands:**



Protective gloves

- **Material of gloves**  
PVC or PE gloves  
Recommended thickness of the material:  $\geq 0.4$  mm
- **Not suitable are gloves made of the following materials:**  
Leather gloves  
Strong gloves
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

## \* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Powder
Color:	Light grey
Odor:	Odorless

- **pH-value (10 g/l) at 20 °C (68 °F):** 8

- **Change in condition**

Melting point/Melting range:	>450 °C (>842 °F)
Boiling point/Boiling range:	Undetermined.

- **Flash point:** Not applicable.

- **Auto igniting:** Product is not selfigniting.

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· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapor pressure:</b>	Not applicable. Not applicable.
· <b>Density at 20 °C (68 °F):</b>	0.555 g/cm <sup>3</sup> (4.631 lbs/gal)
· <b>Bulk density at 20 °C (68 °F):</b>	140-900 kg/m <sup>3</sup>
· <b>Solubility in / Miscibility with Water at 20 °C (68 °F):</b>	<0.9 g/l
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>Organic solvents:</b>	0.0 %
<b>Solids content:</b>	100.0 %
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## \* 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· <b>LD/LC50 values that are relevant for classification:</b>		
<b>70131-50-9 Bentonite, acid-leached</b>		
Oral	LD-50	>2000 mg/kg (rat) (OECD 401)
Dermal	LD-50	>2000 mg/kg (rat) (OECD 402)
Inhalative	LC-50/4 h	50 mg/m <sup>3</sup> (rat) (OECD 403)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Other information (about experimental toxicology):**  
Dust may cause skin to become dry and chapped. Prolonged inhalative action and exceeding the maximum workplace concentration value may result in silicosis induced by fine quartz containing dust. Swirled up dust may cause minor eye and mucous membrane irritations.
- **Additional toxicological information:**  
The product is not subject to classification according to internally approved calculation methods for preparations.  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

Substance is not listed.

· **NTP (National Toxicology Program)**

Substance is not listed.

\* **12 Ecological information**· **Toxicity**· **Aquatic toxicity:****70131-50-9 Bentonite, acid-leached**

EC-50 3 h &gt;1000 mg/l (Belebtschlamm) (OECD 209)

EC-50 48h &gt;100 mg/l (Daphnia magna) (OECD 202)

EC-50 72h &gt;100 mg/l (Desmodesmus subspicatus) (OECD 201)

· **Persistence and degradability** No further relevant information available.· **Behavior in environmental systems:**· **Bioaccumulative potential** No further relevant information available.· **Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

The product may not be released into the environment without control.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Other adverse effects** No further relevant information available.\* **13 Disposal considerations**· **Waste treatment methods**· **Recommendation:** Dispose of in accordance with local, state, and federal Regulations.· **Uncleaned packagings:**· **Recommendation:** Packaging can be reused or recycled after cleaning.\* **14 Transport information**· **UN-Number**· **DOT, ADR, ADN, IMDG, IATA** Void· **UN proper shipping name**· **DOT, ADR, ADN, IMDG, IATA** Void· **Transport hazard class(es)**· **DOT, ADR, IMDG, IATA**· **Class** Void· **Label** -· **ADN/R Class:** Void· **Packing group**· **DOT, ADR, IMDG, IATA** Void· **Environmental hazards:**· **Marine pollutant:** No· **Special precautions for user**

Not applicable.

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- |  |                 |
|--|-----------------|
| · <b>Danger code (Kemler):</b>   | -               |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>  | -               |

## \* 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· <b>Section 355 (extremely hazardous substances):</b>
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Substance is not listed.
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· <b>Section 313 (Specific toxic chemical listings):</b>
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Substance is not listed.
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· <b>TSCA (Toxic Substances Control Act):</b>
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Substance is listed.
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· <b>Proposition 65</b>
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· <b>Chemicals known to cause cancer:</b>
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Substance is not listed.
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· <b>Chemicals known to cause reproductive toxicity for females:</b>
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Substance is not listed.
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· <b>Chemicals known to cause reproductive toxicity for males:</b>
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Substance is not listed.
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· <b>Chemicals known to cause developmental toxicity:</b>
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Substance is not listed.
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· <b>Carcinogenicity categories</b>
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· <b>EPA (Environmental Protection Agency)</b>
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Substance is not listed.
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· <b>TLV (Threshold Limit Value established by ACGIH)</b>
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Substance is not listed.
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· <b>MAK (German Maximum Workplace Concentration)</b>
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Substance is not listed.
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· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>
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Substance is not listed.
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· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>
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Substance is not listed.
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· <b>Canadian Substances Listings:</b>
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· <b>Canadian Domestic Substances List (DSL):</b>
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Substance is listed.
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· <b>Canadian Ingredient disclosure list (limit 0.1%)</b>
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Substance is listed.
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· <b>Canadian Ingredient disclosure list (limit 1%)</b>
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Substance is not listed.
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· <b>GHS label elements</b> Void
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· <b>Hazard pictograms</b> Void
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· <b>Signal word</b> Void
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· <b>Hazard statements</b> Void
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· <b>Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.
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## \* 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information of Items 4 through 8 and 10 through 12 partially refers not to the use and the proper application of the product (see Directions for Use/Product Information) but to the release of larger quantities in the case of accidents and irregularities.

The information exclusively describes the safety requirements of the product(s) and is based on the present state of our experience.

Non-ionic tensides can have varying characteristics and classifications despite same CAS-No.

· **Department issuing MSDS:**

Abteilung TQM

Herr Vogel

+49 (0) 611/9271-175

· **Contact:** Herr Vogel

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

· **\* Data compared to the previous version altered.**

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