

Printing date 05/19/2004

Reviewed on 05/19/2004

## 1 Identification of substance:

- **Product details:**
- **Trade name: Clinosolv Adsorb**
- **Application of the substance / the preparation** Drycleaning / Laundry
- **Manufacturer/Supplier:**  
SEITZ GmbH  
Gutenbergstrasse 3  
65830 Kriftel/ Germany  
seitz@seitz24.com  
www.seitz24.com
- **Information department:**  
CHEM-TEL Inc.  
1305 North Florida Ave  
Tampa Florida 33602
- **Emergency information:** 1-800-255-3924

## 2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Powdery adsorption agent

CAS-No.	Components:
	free crystalline silicic acid (included quartz, cristobalite, tridymite) in fine dust
	< 2%

## 3 Hazards identification

- **Hazard description:** not applicable
- **Information pertaining to particular dangers for man and environment** not applicable
- **Classification system**  
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0-4)**



Health = 0  
Fire = 0  
Reactivity = 0

- **Additional information:** Avoid inhalation by breaking the long term limit of the MAK-value.

## 4 First aid measures

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** Rinse out mouth and then drink plenty of water.

## 5 Fire fighting measures

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** not applicable
- **Protective equipment:** No special measures required.

(Contd. on page 2)

Printing date 05/19/2004

Reviewed on 05/19/2004

**Trade name: Clinosolv Adsorb**

(Contd. of page 1)

· **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## 6 Accidental release measures

· **Person-related safety precautions:**

Avoid formation of dust.  
Ensure adequate ventilation

· **Measures for environmental protection:** No special measures required.

· **Measures for cleaning/collecting:**

Pick up mechanically.  
Dispose of the collected material according to regulations.

## 7 Handling and storage

· **Handling**

· **Information for safe handling:** Prevent formation of dust.  
· **Information about protection against explosions and fires:** No special measures required.

· **Storage**

· **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.  
· **Information about storage in one common storage facility:** Store away from foodstuffs.

· **Further information about storage conditions:**

Keep receptacle tightly sealed.  
Protect from humidity and water.  
Protect from frost.  
Time of storage: max. 18 month

## 8 Exposure controls and personal protection

· **Components with limit values that require monitoring at the workplace:**

**14808-60-7 quartz**

REL	0.05* mg/m <sup>3</sup> *Respirable dust
TLV	0.05 R mg/m <sup>3</sup>

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures for handling chemicals should be followed.  
Do not eat, drink, smoke or sniff while working.  
Vacuum clean contaminated clothing. Do not blow or brush off contamination.  
Do not inhale dust / smoke / mist.

· **Breathing equipment:**

By formation of dust: dust mask  
Filter P2.

· **Protection of hands:**

Protective gloves.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 3)

Printing date 05/19/2004

Reviewed on 05/19/2004

Trade name: **Clinosolv Adsorb**

(Contd. of page 2)

- **Penetration time of glove material**  
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

## 9 Physical and chemical properties:

### · General Information

<b>Form:</b>	Powder
<b>Color:</b>	White
<b>Odor:</b>	Odorless

### · Change in condition

<b>Melting point/Melting range:</b>	not applicable
<b>Boiling point/Boiling range:</b>	not applicable

<b>Flash point:</b>	Not applicable
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<b>Auto igniting:</b>	Product is not selfigniting.
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<b>Danger of explosion:</b>	Product does not present an explosion hazard.
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<b>Density:</b>	Not determined
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<b>Bulk density at 20°C (68°F):</b>	330 kg/m <sup>3</sup>
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<b>Solubility in / Miscibility with Water:</b>	Insoluble
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<b>pH-value (100 g/l) at 20°C (68°F):</b>	3.9
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## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions** None
- **Dangerous products of decomposition:** No dangerous decomposition products known

## 11 Toxicological information

### · Acute toxicity:

### · LD/LC50 values that are relevant for classification:

**14808-60-7 quartz**

Oral	LD50	> 5000 mg/kg (rat)
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### · Primary irritant effect:

- **on the skin:** Irritating effects possible
- **on the eye:** Irritating effects possible
- **Sensitization:** No sensitizing effects known.

### · 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.

USA

(Contd. on page 4)

Printing date 05/19/2004

Reviewed on 05/19/2004

**Trade name: Clinosolv Adsorb**

(Contd. of page 3)

## 12 Ecological information:

- **Information about elimination (persistence and degradability):**
- **Other information:** not biodegradable
- **General notes:**  
Generally not hazardous for water.  
Do not allow product to reach ground water, water course or sewage system.

## 13 Waste Disposal Method

- **Product and uncleaned packagings:**
- **Recommendation:**  
Contaminated adsorbent, soil, water must be disposed of in a permitted hazardous waste management facility. Recovered products may be reused, reprocessed or incinerated or must be treated in a permitted hazardous waste management facility. It is your duty to dispose of the chemical materials and/or their containers in accordance with the Clean Air Act, The Clean Water Act, RCRA, as well as applicable Federal, State, and local Regulations regarding disposal.

## 14 Transport information

- |  |
|--|
| · <b>DOT regulations:</b>                      |
| · <b>Hazard class:</b> -                       |
| · <b>Land transport ADR/RID (cross-border)</b> |
| · <b>ADR/RID class:</b> -                      |
| · <b>Maritime transport IMDG:</b>              |
| · <b>IMDG Class:</b> -                         |
| · <b>Air transport ICAO-TI and IATA-DGR:</b>   |
| · <b>ICAO/IATA Class:</b> -                    |

## 15 Regulatory information (Not meant to be all-inclusive/selected regulations represented)

- **Product related hazard informations:**  
The product has not been classified and marked in accordance respective national laws. Observe the general safety regulations when handling chemicals
- **Hazard symbols:** not applicable
- **Safety phrases:**
  - 2 Keep out of the reach of children.
  - 20 When using do not eat or drink.
  - 22 Do not breathe dust.
  - 24/25 Avoid contact with skin and eyes.
  - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  - 27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.
  - 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
  - 46 If swallowed, seek medical advice immediately and show this container or label.
- **National regulations**
- **Water hazard class:** Generally not hazardous for water.
- **Other regulations, limitations and prohibitive regulations**  
The product has been designed for professional use only.

(Contd. on page 5)

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 05/19/2004

Reviewed on 05/19/2004

Trade name: **Clinosolv Adsorb**

(Contd. of page 4)

· **Please note:**

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyers responsibility to ensure that their activities comply with Federal, State or provincial and local laws. The following specific information is made for the purpose of complying with numerous laws and regulations.

· **U.S. Regulations**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

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

14808-60-7 quartz 1

· **NTP (National Toxicology Program)**

14808-60-7 quartz R

· **TLV (Threshold Limit Value established by ACGIH)**

14808-60-7 quartz A2

· **MAK (German Maximum Workplace Concentration)**

14808-60-7 quartz 1

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

14808-60-7 quartz

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **SARA Section 355 (extremely hazardous substances)**

None of the ingredients is listed.

· **SARA Section 313 (specific toxic chemical listings)**

None of the ingredients is listed.

· **Toxic Substances Control Act (TSCA):**

All ingredients are listed.

· **California proposition 65:**

· **Prop 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

· **Prop 65 - Chemicals known to cause reproductive toxicity**

None of the ingredients is listed.

· **State right-to-know**

The following product component(s) is/are cited on certain State lists as mentioned. Non-listed components may be shown in the composition section of the MSDS.

· **CAS-No.: Chemical name:** LIST: 14808-60-7 quartz PA

· **OSHA hazard communication standard:**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

· **Comprehensive Environmental Response Compensation and Liability Act (CERCLA, or Superfund):**

This product contains the following substance(s) listed as "Hazardous Substances" under CERCLA, which may require reporting of releases:

· **CAS-No.: Chemical name:** void

· **Canadian regulations**

· **WHMIS information:**

The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is:  
void

· **CPR statement:**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

(Contd. on page 6)

**Material Safety Data Sheet**  
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(Contd. of page 5)

· **Canadian Ingredient disclosure list**· **Limit 0,1%**

None of the ingredients is listed.

· **Limit 1%**

14808-60-7 quartz

**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.

· **Contact:** Dr. Ralf Döring

USA