1 Identification

- **Product identifier**
  - **Trade name**: Clinosolv Adsorb
  - **CAS Number**: 70131-50-9

- **Application of the substance / the mixture**
  - Dry-cleaning
  - Additiv for solvent care

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier**: SEITZ GmbH
    Gutenbergstrasse 3
    65830 Kriftel / Germany
    Tel. + 49(0) 6192-9948-0
    Fax + 49(0) 6192-9948-99
    msds@seitz24.com
    www.seitz24.com
  - **Information department**: CHEM-TEL Inc.
    1305 North Florida Ave
    Tampa Florida 33602
  - **Emergency telephone number**: 1-800-255-3924

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)**
    - Health = 0
    - Fire = 0
    - Reactivity = 0
  - **HMIS-ratings (scale 0-4)**
    - Health = 0
    - Fire = 0
    - Reactivity = 0

- **Other hazards**
  - **Results of PBT and vPvB assessment**
    - PBT: Not applicable.
    - vPvB: Not applicable.

*3 Composition/information on ingredients*

- **Chemical characterization: Substances**
  - **CAS No. Description**: 70131-50-9 Bentonite, acid-leached
Trade name: Clinosolv Adsorb

4 First-aid measures

- Description of first aid measures
  - General information Seek medical treatment.
  - 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.
  - 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
    Use fire fighting measures that suit the environment.
    Water spray
    Fire-extinguishing powder
    Foam
    Carbon dioxide
  - For safety reasons unsuitable extinguishing agents not applicable
  - Special hazards arising from the substance or mixture
    No further relevant information available.
  - Advice for firefighters
  - Protective equipment:
    Wear self-contained respiratory protective device.
    Do not inhale explosion gases or combustion gases.
  - Additional information
    Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
  Avoid formation of dust.
  Avoid contact with eyes and skin.
  Ensure adequate ventilation
  Environmental precautions: No special measures required.
- Methods and material for containment and cleaning up:
  Pick up mechanically.
  Dispose of the collected material according to regulations.
- Reference to other sections
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.
7 Handling and storage

- **Precautions for safe handling**
  - Prevent formation of dust.
  - Ensure good ventilation/exhaustion at the workplace.
  - Avoid contact with eyes and skin.
- **Information about protection against explosions and fires**: No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **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**:
      - Store in cool, dry conditions in well sealed receptacles.
      - Protect from humidity and water.
      - Time of storage: max. 18 month
- **Specific end use(s)**: Dry-cleaning

8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace**: Not required.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
  - The usual precautionary measures for handling chemicals should be followed.
  - Keep away from foodstuffs, beverages and feed.
  - Do not eat, drink, smoke or sniff while working.
  - Avoid contact with the eyes and skin.
  - 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
- **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.
- **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**: 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
### Trade name: Clinosolv Adsorb

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Light grey</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
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<tr>
<td>Odour threshold</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>pH-value at 20 °C (68 °F)</td>
<td>&gt; 2.0 - 8.6 (aqueous suspension)</td>
</tr>
<tr>
<td>Change in condition</td>
<td></td>
</tr>
<tr>
<td>Melting point/Melting range</td>
<td>&gt; 450 °C (&gt; 842 °F) (EU A.1)</td>
</tr>
<tr>
<td>Boiling point/Boiling range</td>
<td>not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gaseous)</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>Auto igniting</td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>Explosion limits</td>
<td></td>
</tr>
<tr>
<td>Lower</td>
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</tr>
<tr>
<td>Upper</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>Density at 20 °C (68 °F)</td>
<td>2.6 g/cm³ (21.697 lbs/gal)</td>
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<tr>
<td>Bulk density at 20 °C (68 °F)</td>
<td>140 - 900 kg/m³</td>
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<tr>
<td>Relative density</td>
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<td>Vapour density</td>
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</tr>
<tr>
<td>Evaporation rate</td>
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</tr>
<tr>
<td>Solubility in / Miscibility with Water</td>
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<tr>
<td>Partition coefficient (n-octanol/water)</td>
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<tr>
<td>Viscosity</td>
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<td>dynamic</td>
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<tr>
<td>kinematic</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>Other information</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

### 10 Stability and reactivity

- **Reactivity** No decomposition if used and stored according to specifications.
- **Chemical stability** Stable under normal ambient conditions.
- **Possibility of hazardous reactions** None
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials**: No further relevant information available.
- **Hazardous decomposition products**: None if used as directed.
11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - LD/LC50 values that are relevant for classification:
    70131-50-9 Bentonite, acid-leached
    | Endpoint       | Value          | Reference          |
    |----------------|----------------|--------------------|
    | Oral LD50      | > 2000 mg/kg (rat) (OECD 401) |                     |
    | Dermal LD50    | > 2000 mg/kg (rat) (OECD 402) |                     |
    | Inhalative LC50/4h | 50 mg/l (rat) (OECD 403) |                     |

- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: No irritating effect.
  - Sensitization: No sensitizing effects known.
  - Additional toxicological information:
    - Carcinogenic categories
      - IARC (International Agency for Research on Cancer)
        Substance is not listed.
      - NTP (National Toxicology Program)
        Substance is not listed.
      - OSHA-Ca (Occupational Safety & Health Administration)
        Substance is not listed.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
  - Additional ecological information:
    - General notes: Do not allow product 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:
    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.
Trade name: Clinosolv Adsorb

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, ADN, IMDG, IATA: Void

- **Packaging group**
  - DOT, ADR, IMDG, IATA: Void

- **Environmental hazards:** Not applicable.

- **Special precautions for user:** Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

- **Transport/Additional information:** Not dangerous according to the above specifications.

- **UN "Model Regulation":** -

15 Regulatory information

- **Canadian substance lists**
  - Canadian domestic substance list (DSL): Substance is listed.

- **Canadian ingredient disclosure list (limit 0.1%):** Substance is not listed.

- **Canadian ingredient disclosure list (limit 1%):** Substance is not listed.

- **Sara**
  - Section 355 (extremely hazardous substances): Substance is not listed.

- **Section 313 (specific toxic chemical listings):** Substance is not listed.

- **TSCA (Toxic Substances Control Act):** Substance is listed.

- **Proposition 65**
  - Chemicals known to cause cancer: Substance is not listed.

  - Chemicals known to cause reproductive toxicity for females: Substance is not listed.

  - Chemicals known to cause reproductive toxicity for males: Substance is not listed.

  - Chemicals known to cause developmental toxicity: Substance is not listed.
**Trade name**: Clinosolv Adsorb

### Cancerogenity categories

- **EPA (Environmental Protection Agency)**
  Substance is not listed.

- **TLV (Threshold Limit Value established by ACGIH)**
  Substance is not listed.

- **MAK (German Maximum Workplace Concentration)**
  Substance is not listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
  Substance is not listed.

### National regulations

### Other regulations, limitations and prohibitive regulations

### 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 buyer's responsibility to ensure that its 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.

### Other information:
The product has been designed for professional use only.

### 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.

**Date of preparation / last revision**: 02/16/2015 / 1

**Abbreviations and acronyms**:
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- 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
- 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.