

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.09.2015

Version number 1

Revision: 07.09.2015

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier  

<b>Trade name:</b>	<b>COELAN 150 Non-woven material</b>
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- 1.2 Relevant identified uses of the substance or mixture and uses advised against  

<b>Application of the substance / the mixture</b>	No further relevant information available. Additional component Waterproofing
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- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
 

	KEMPER SYSTEM GmbH & Co. KG Holländische Strasse 32-36 34246 Vellmar Deutschland / Germany Telefon: +49 (0)561 / 8295-0 Telefax: +49 (0)561 / 8295-5110 E-Mail: MSDS@KEMPER-SYSTEM.COM
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- Further information obtainable from:
 

	Research and Development Gif tinformat ionszentrum der Länder Rheinland-Pfalz und Hessen Langenbeckstraße 1; Gebäude 601; 55131 Mainz Tel. Nr.: +49 (0)6131 / 19 24 0 Universitätsmedizin der Johannes Gutenberg-Universität Mainz
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- 1.4 Emergency telephone number:

## SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
 

	The product is not classified according to the CLP regulation.
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- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
 

Hazard pictograms	Void
Signal word	Void
Hazard statements	Void
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT:
 

	Not applicable.
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- vPvB:
 

	Not applicable.
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## SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- Description:
 

	Not applicable.
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- Dangerous components:
 

	Void
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- Additional information:
 

	For the wording of the listed risk phrases refer to section 16.
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## SECTION 4: First aid measures

- 4.1 Description of first aid measures
- General information:
 

	No special measures required.
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- After inhalation:
 

	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
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- After skin contact:
 

	Immediately wash with water and soap and rinse thoroughly.
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- After swallowing:
 

	If symptoms persist consult doctor.
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- 4.2 Most important symptoms and effects, both acute and delayed
 

	No further relevant information available.
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- 4.3 Indication of any immediate medical attention and special treatment needed
 

	No further relevant information available.
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## SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
 

	CO2, sand, extinguishing powder. Do not use water. Alcohol resistant foam ABC powder
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- 5.2 Special hazards arising from the substance or mixture
 

	In case of fire, the following can be released: Carbon monoxide (CO)
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(Contd. on page 2)

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Revision: 07.09.2015

Trade name: **COELAN 150 Non-woven material**

(Contd. of page 1)

- 5.3 Advice for firefighters
- Protective equipment: Do not inhale explosion gases or combustion gases.

## SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures: Not required.
- 6.2 Environmental precautions: Do not allow product to reach sewage system or any water course.
- 6.3 Methods and material for containment and cleaning up: Pick up mechanically.  
Dispose contaminated material as waste according to item 13.
- 6.4 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.

## SECTION 7: Handling and storage

- 7.1 Precautions for safe handling: Store in cool, dry place in tightly closed receptacles.
- Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage: No special requirements.
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Protect from frost.  
Keep container tightly sealed.
- Storage class: 13
- 7.3 Specific end use(s): No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:
- Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.
- Protection of hands:



Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves: 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.  
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.  
Recommended thickness of the material:  $\geq 0.4$  mm  
Synthetic rubber gloves

(Contd. on page 3)

# Safety data sheet

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**- Penetration time of glove material**

(Contd. of page 2)  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Value for the permeation: Level  $\geq$  2

**- Body protection:**

Protective work clothing  
Impervious protective clothing

## SECTION 9: Physical and chemical properties

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

**- General Information**

**- Appearance:**

**Form:** Solid  
**Colour:** White  
**- Odour:** Odourless  
**- Odour threshold:** Not determined.

**- pH-value:** Not applicable.

**- Change in condition**

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Undetermined.

**- Flash point:** Not applicable.

**- Flammability (solid, gaseous):** Not determined.

**- Ignition temperature:**

**Decomposition temperature:** Not determined.

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

**- Danger of explosion:** Product does not present an explosion hazard.

**- Explosion limits:**

**Lower:** Not determined.  
**Upper:** Not determined.

**- Density at 20 °C:** 1.41 g/cm<sup>3</sup>

**- Relative density** Not determined.

**- Vapour density** Not applicable.

**- Evaporation rate** Not applicable.

**- Solubility in / Miscibility with water:**

Insoluble.

**- Partition coefficient (n-octanol/water):** Not determined.

**- Viscosity:**

**Dynamic:** Not applicable.  
**Kinematic:** Not applicable.

**- 9.2 Other information** No further relevant information available.

## SECTION 10: Stability and reactivity

**- 10.1 Reactivity**

No further relevant information available.

**- 10.2 Chemical stability**

**- Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.  
To avoid thermal decomposition do not overheat.

**- 10.3 Possibility of hazardous reactions**

No dangerous reactions known.

**- 10.4 Conditions to avoid**

No further relevant information available.

**- 10.5 Incompatible materials:**

No further relevant information available.

**- 10.6 Hazardous decomposition products:**

No dangerous decomposition products known.

## SECTION 11: Toxicological information

**- 11.1 Information on toxicological effects**

**- Acute toxicity**

**- Primary irritant effect:**

**- Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**- Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

(Contd. on page 4)

# Safety data sheet

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Trade name: **COELAN 150 Non-woven material**

(Contd. of page 3)

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|---|--|
| <ul style="list-style-type: none"> <li>- Respiratory or skin sensitisation</li> <li>- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)</li> <li>- Germ cell mutagenicity</li> <li>- Carcinogenicity</li> <li>- Reproductive toxicity</li> <li>- STOT-single exposure</li> <li>- STOT-repeated exposure</li> <li>- Aspiration hazard</li> </ul> | <p>Based on available data, the classification criteria are not met.</p> <p>Based on available data, the classification criteria are not met.</p> <p>Based on available data, the classification criteria are not met.</p> <p>Based on available data, the classification criteria are not met.</p> <p>Based on available data, the classification criteria are not met.</p> <p>Based on available data, the classification criteria are not met.</p> <p>Based on available data, the classification criteria are not met.</p> |
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### SECTION 12: Ecological information

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|---|--|
| <ul style="list-style-type: none"> <li>- 12.1 Toxicity</li> <li>- Aquatic toxicity:</li> <li>- 12.2 Persistence and degradability</li> <li>- 12.3 Bioaccumulative potential</li> <li>- 12.4 Mobility in soil</li> <li>- Additional ecological information:</li> <li>- General notes:</li> <li>- 12.5 Results of PBT and vPvB assessment</li> <li>- PBT:</li> <li>- vPvB:</li> <li>- 12.6 Other adverse effects</li> </ul> | <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>Generally not hazardous for water</p> <p>Not applicable.</p> <p>Not applicable.</p> <p>No further relevant information available.</p> |
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### SECTION 13: Disposal considerations

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|---|--|
| <ul style="list-style-type: none"> <li>- 13.1 Waste treatment methods</li> <li>- Recommendation</li> <li>- Uncleaned packaging:</li> <li>- Recommendation:</li> </ul> | <p>Smaller quantities can be disposed of with household waste.</p> <p>Disposal must be made according to official regulations.</p> |
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### SECTION 14: Transport information

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|--|-----------------|
| <ul style="list-style-type: none"> <li>- 14.1 UN-Number</li> <li>- ADR, ADN, IMDG, IATA</li> </ul>                                   | Void            |
| <ul style="list-style-type: none"> <li>- 14.2 UN proper shipping name</li> <li>- ADR, ADN, IMDG, IATA</li> </ul>                     | Void            |
| <ul style="list-style-type: none"> <li>- 14.3 Transport hazard class(es)</li> <li>- ADR, ADN, IMDG, IATA</li> <li>- Class</li> </ul> | Void            |
| <ul style="list-style-type: none"> <li>- 14.4 Packing group</li> <li>- ADR, IMDG, IATA</li> </ul>                                    | Void            |
| <ul style="list-style-type: none"> <li>- 14.5 Environmental hazards:</li> </ul>  | Not applicable. |
| <ul style="list-style-type: none"> <li>- 14.6 Special precautions for user</li> </ul>  | Not applicable. |
| <ul style="list-style-type: none"> <li>- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</li> </ul>          | Not applicable. |
| <ul style="list-style-type: none"> <li>- UN "Model Regulation":</li> </ul>   | Void            |

### SECTION 15: Regulatory information

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</li> <li>- Directive 2012/18/EU</li> <li>- Named dangerous substances - ANNEX I</li> <li>- 15.2 Chemical safety assessment:</li> </ul> | <p>None of the ingredients is listed.</p> <p>A Chemical Safety Assessment has not been carried out.</p> |
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### SECTION 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.

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|---|--|
| <ul style="list-style-type: none"> <li>- Department issuing MSDS:</li> <li>- Contact:</li> <li>- Abbreviations and acronyms:</li> </ul> | <p>research &amp; development</p> <p>research &amp; development</p> <p>ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)</p> <p>IMDG: International Maritime Code for Dangerous Goods</p> |
|---|--|

(Contd. on page 5)

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(Contd. of page 4)

IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

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