

# Safety Data Sheet

## Filtralite® – HC - HR - MC - NC - NR

SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), Annex II-EU

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

|             |            |
|-------------|------------|
| <b>Date</b> | 30.06.2015 |
|-------------|------------|

#### 1.1. Product Identifier

|                     |  |
|---------------------|--|
| <b>Product name</b> | Filtralite – HC - HR - MC - NC - NR  |
| <b>Article no.</b>  | 26245308   |
| <b>GTIN no.</b>     | 7040021040008, 7040021023001, 7040021024008, 7040021029003, 7040021053008, 7040021046000, 7040021050007, 7040021050205, 7040021054005, 7040021055408, 7040021047007, 7040021058003,                              |
| <b>NOBB no.</b>     | 23827439, 23827306, 23827314, 23827348, 23827538, 23827470, 23827504, 46301583, 23827546, 41994714, 23827488, 23827462, 23827579, 23827595, 23847312, 23847320, 23847338, 29912292, 29912300, 29912318, 41994706 |

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

|   |                             |
|---|-----------------------------|
| <b>Product group</b>                    | Expanded clay               |
| <b>Use of the substance/preparation</b> | For use in water filtration |

#### 1.3. Details of the supplier of the safety data sheet

|                       |                       |
|-----------------------|-----------------------|
| <b>Company name</b>   | Leca Norge AS         |
| <b>Postal address</b> | Årnesvegen 1          |
| <b>Postcode</b>       | 2009                  |
| <b>City</b>           | Nordby                |
| <b>Country</b>        | Norway                |
| <b>Telephone</b>      | 90 96 51 00           |
| <b>E-mail</b>         | info@leca.no          |
| <b>Website</b>        | www.filtralite.com    |
| <b>Enterprise no.</b> | NO 918 799141 MVA/VAT |
| <b>Contact person</b> | Helle E. Fossheim     |

#### 1.4. Emergency telephone number

|                            |  |
|----------------------------|--|
| <b>Emergency telephone</b> | GIFTINFORMASJONSSENTRALEN: +47 22 59 13 00 |
|----------------------------|--|

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## 2. HAZARD IDENTIFICATION

### 2.1. Classification of substance or mixture

### 2.2. Label elements

|                   |  |
|-------------------|--|
| R-phrases         | Product is not classified                              |
| Hazard statements | Product is not classified according to CLP regulations |

### 2.3. Other hazards

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Mixtures

|                    |  |
|--------------------|--|
| Substance comments | Information codename: <ul style="list-style-type: none"><li>- N: Normal density</li><li>- C: Crushed material</li><li>- M: Medium density</li><li>- R: Round material/pellet</li><li>- H: High density</li></ul> For the wording of the risk phrases in section 3 refer to section 16. |
|--------------------|--|

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

|              |   |
|--------------|---|
| General      | No recommendation given, but first aid may be required by accidental exposure.  |
| Inhalation   | Avoid breathing dust. Move the exposed person to fresh air at once. Get medical advice/attention if you feel unwell.  |
| Skin contact | Rinse with water.   |
| Eye contact  | Do not rub eye. Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Contact physician if discomfort continues. |
| Ingestion    | Drink plenty of water. Do not induce vomiting. Get medical attention if any discomfort continues.   |

### 4.2. Most important symptoms and effects, both acute and delayed

### 4.3. Indication of any immediate medical attention and special treatment needed

## 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

|                              |              |
|------------------------------|--------------|
| Suitable extinguishing media | Not relevant |
|------------------------------|--------------|

### 5.2. Special hazards arising from the substance or mixture

|                            |                         |
|----------------------------|-------------------------|
| Fire and explosion hazards | No specific precautions |
|----------------------------|-------------------------|

### 5.3. Advice for firefighters

|                          |  |
|--------------------------|--|
| Fire fighting procedures | No specific fire fighting procedure given. |
|--------------------------|--|

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|                          |   |
|--------------------------|---|
| <b>Other information</b> | Use methods suitable to surrounding conditions. The product has excellent fire resistance and classified as non-combustible material. |
|--------------------------|---|

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

|                                     |   |
|-------------------------------------|---|
| <b>General measures</b>             | Avoid generation of and spreading of dust.          |
| <b>Personal protection measures</b> | Wear necessary protective equipment. See section 8. |

### 6.2. For non-emergency personnel

|                             |   |
|-----------------------------|---|
| <b>Personal precautions</b> | Avoid generation of and spreading of dust. Avoid inhalation of dust - provide suction extractors if dust is formed or use suitable filter device (see section 8). |
|-----------------------------|---|

### 6.3. For emergency responders

|                                |  |
|--------------------------------|--|
| <b>For emergency responder</b> | Keep dust levels to a minimum. Provide adequate ventilation. Avoid inhalation of dust - provide suction extractors if dust is formed or use suitable filter device (refer to section 8). |
|--------------------------------|--|

### 6.4. Environmental precautions

|   |                              |
|---|------------------------------|
| <b>Environmental precautionary measures</b> | No danger to the environment |
|---|------------------------------|

### 6.5. Methods and material for containment and cleaning up

|                          |  |
|--------------------------|--|
| <b>Cleaning method</b>   | Sweep up or use approved industrial vacuum cleaner for removal.  |
| <b>Other information</b> | Dry material floats on water. Depending on the particle density and moisture absorption material will eventually sink to the bottom. |

### 6.6. Reference to other sections

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

|                 |   |
|-----------------|---|
| <b>Handling</b> | Ensure adequate ventilation at places where dust can be generated |
|-----------------|---|

### 7.2. Protective Safety Measures

|  |              |
|--|--------------|
| <b>Safety measures to prevent fire</b> | Not relevant |
|--|--------------|

### 7.3. Conditions for safe storage, including any incompatibilities

|                                     |      |
|-------------------------------------|------|
| <b>Special risks and properties</b> | None |
|-------------------------------------|------|

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## 7.4. Conditions for safe storage

|   |  |
|---|--|
| <b>Additional information on storage conditions</b> | To avoid dust, it may be an advantage that the product is slightly damp. To high moisture content, however, can cause the product to freeze to a big lump in the winter. |
|---|--|

## 7.5. Specific end use(s)

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1. Control parameters

## 8.2. Exposure controls

|  |  |
|--|--|
| <b>Limitation of exposure on workplace</b> | An eye wash bottle must be available at the work site. Provide adequate ventilation. |
|--|--|

## 8.3. Precautionary measures to prevent exposure

|   |   |
|---|---|
| <b>Technical measures to prevent exposure</b> | Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. |
|---|---|

## 8.4. Respiratory protection

|                               |   |
|-------------------------------|---|
| <b>Respiratory protection</b> | In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2). |
|-------------------------------|---|

## 8.5. Hand protection

|                        |   |
|------------------------|---|
| <b>Hand protection</b> | It is recommended to use gloves when handling the material. Suitable gloves can be recommended by the glove supplier. |
|------------------------|---|

## 8.6. Eye / face protection

|                       |   |
|-----------------------|---|
| <b>Eye protection</b> | Use tight fitting goggles if dust is generated. |
|-----------------------|---|

## 8.7. Skin protection

|                                     |   |
|-------------------------------------|---|
| <b>Suitable protective clothing</b> | Wear protective clothing as needed. Immediately remove clothing that becomes wet or contaminated. |
|-------------------------------------|---|

# 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9.1. Information on basic physical and chemical properties

|   |                        |
|---|------------------------|
| <b>Physical stage</b>                         | Granular               |
| <b>Color</b>                                  | Grey                   |
| <b>Odor</b>                                   | No characteristic odor |
| <b>pH (as supplied)</b>                       | Value: 7-8             |
| <b>Comments - pH (as supplied)</b>            | Suspension             |
| <b>Melting point/melting range</b>            | Value: 1300 °C         |
| <b>Comments – Boiling point/boiling range</b> | Not relevant           |

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|                                   |   |
|-----------------------------------|---|
| <b>Comments – Flash point</b>     | Product is not flammable                      |
| <b>Comments – Explosion limit</b> | Products does not present an explosion hazard |
| <b>Specific gravity</b>           | Value: 500-1700 kg/m3                         |
| <b>Bulk density</b>               | Value: 260-900 kg/m3                          |
| <b>Solubility in water</b>        | Insoluble                                     |

### 9.1. Other information

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

|                   |                                   |
|-------------------|-----------------------------------|
| <b>Reactivity</b> | Stable. Product is not flammable. |
|-------------------|-----------------------------------|

### 10.2. Chemical stability

### 10.3. Possibility of hazardous reactions

|   |       |
|---|-------|
| <b>Possibility of hazardous reactions</b> | None. |
|---|-------|

### 10.4. Conditions to avoid

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

|   |                                      |
|---|--------------------------------------|
| <b>Hazardous decomposition products</b> | No hazardous decomposition products. |
|---|--------------------------------------|

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

### 11.2. Other information regarding health hazards

|                |   |
|----------------|---|
| <b>General</b> | No specific health warnings noted. High concentrations of dust can irritate eyes, skin and bronchiae. |
|----------------|---|

### 11.3. Potential acute effects

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Dust is severely irritating to the upper respiratory system. |
| <b>Skin contact</b> | Prolonged contact may cause irritation.                      |
| <b>Eye contact</b>  | Dust in the eyes will cause irritation.                      |
| <b>Ingestion</b>    | May cause discomfort if swallowed.                           |

### 11.4. Delayed effects / repeated exposure

|                        |             |
|------------------------|-------------|
| <b>Sensitization</b>   | None known. |
| <b>Chronic effects</b> | None known  |

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## 11.5. Carcinogenic, Mutagenic or Reprotoxic

|                               |            |
|-------------------------------|------------|
| <b>Carcinogenicity</b>        | Not known. |
| <b>Mutagenicity</b>           | Not known. |
| <b>Teratogenic properties</b> | Not known. |
| <b>Reproductive toxicity</b>  | Not known. |

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

|                    |   |
|--------------------|---|
| <b>Ecotoxicity</b> | The product is not expected to be hazardous to the environment. |
|--------------------|---|

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

|                                  |                          |
|----------------------------------|--------------------------|
| <b>Bioaccumulative potential</b> | Will not bio-accumulate. |
|----------------------------------|--------------------------|

### 12.4. Mobility in soil

|                 |   |
|-----------------|---|
| <b>Mobility</b> | Not regarded as dangerous for the environment. Dry material floats on water. Depending on the particle density and moisture absorption material will eventually sink to the bottom. |
|-----------------|---|

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

|   |  |
|---|--|
| <b>Environmental details, summation</b> | The product is developed as a filter material associated with water purification. The product does not contain any hazardous substances. |
|---|--|

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

|  |  |
|--|--|
| <b>Specify the appropriate methods of disposal</b> | Sweep or vacuum up dry material. Avoid creating dust. Dispose product according to national regulations. The product is not hazardous waste. |
| <b>Product classified as hazardous waste</b>       | No   |
| <b>Packaging classified as hazardous waste</b>     | No   |
| <b>EWC waste code</b>                              | EWC: 101203 particulates and dust<br>EWC: 170103 tiles and ceramics  |
| <b>Other Information</b>                           | The material is of such a nature that in pure form it can be reused.   |

## 14. TRANSPORT INFORMATION

### 14.1. UN number

### 14.2. UN proper shipping name

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- 14.3. Transport hazard class(es)
- 14.4. Packing group
- 14.5. Environmental hazards
- 14.6. Special precautions for user
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- 14.8. Additional information

|                               |   |
|-------------------------------|---|
| <b>Additional information</b> | The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID). |
|-------------------------------|---|

## 15. REGULATORY INFORMATION

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

|                                      |  |
|--------------------------------------|--|
| <b>EEC-directive</b>                 | Regulations on the registration, evaluation, authorization and restriction of chemicals (REACH).   |
| <b>References (laws/regulations)</b> | The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).<br>The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).<br>«Stofflisten»: List of hazardous substances. Occupational exposure limits for workplace exposure. Transport of dangerous goods: ADR, RID, IMDG, IATA. |
| <b>No duty to declare owing to</b>   | The product is not subject to mandatory labeling.  |

- 15.2. Chemical safety assessment

## 16. OTHER INFORMATION

|  |   |
|--|---|
| <b>Supplier's notes</b>                  | This information only applies for the above product, and may necessarily not be applicable if the product is used together with one or more other products, or as part of a process.<br>The datasheet are made on the basis of information given by the manufacturer. It is the individual receiver's duty to ensure that the information provided in this MSDS is read and understood by everyone who uses, handle or in any way come in contact with the product. |
| <b>Version</b>                           | 2   |
| <b>Responsible for safety data sheet</b> | Leca Norge AS   |
| <b>Prepared by</b>                       | Helle E. Fossheim.  |

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