| Mater                                       | ial Safety Dat<br>according EC1272/200   |  |  |
|---|--|--|--|
| Product: FILT                               | ER & Filler PERLITE – all ty   |  |  |
| 1. Identification of substance/p            | preparation and of the compa   | ny/undertaking:  |  |
| Tradenames:                                 | Europerl <sup>®</sup> & Norlite <sup>®</sup>                                     |  |  |
| Producer:                                   | NORDISK PERLITE ApS<br>Hammersholt Erhvervspark 1-5<br>DK 3400 Hillerød, Denmark |  |  |
| Inquiry Office:                             | technical department<br>phone: +45 48140722<br>http: <u>www.perlite.dk</u>       | fax: +44 48140788<br>e-mail: <u>nordisk@perlite.dk</u> |  |
| Emergency call:                             | technical department<br>phone: +45 48140722<br>http: <u>www.perlite.dk</u>       | fax: +45 48140788<br>e-mail: <u>nordisk@perlite.dk</u> |  |
| 2. <u>Hazards identification</u>            |  |  |  |
| Hazard prescribtion:                        | not suitable   |  |  |
| Special hazard indication:                  | not suitable   |  |  |
| Classification system:                      | not suitable   |  |  |
| 3. <u>Composition/information or</u>        | <u>n ingredients</u>   |  |  |
| Chemical classification:<br>CAS:<br>EINECS: | expanded vulcanic rock<br>93763-70-3* (article)<br>310 12 76 (natural occu       | uring substances)                                      |  |
| 4. <u>First Aid measures</u>                |  |  |  |
| Eyes:<br>Inhalation:<br>Skin:               | rinse with water if necessa<br>not suitable<br>not suitable                      |  |  |
| FOR ISC                                     | DLERING OG FILTRERING  | nordisk<br>perlik                                      |  |

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|  | fety Data Sheet                                |
|--|--|
|  | PERLITE – all types :Aug. 2016<br>page: 2 of 5 |
| Eyes:not suitalIngestion:not suital      |  |
| 5. Fire-Fighting measures                |  |
| Suitable extinguishing media:            | the product is non-combustible (A1)            |
| Nonsuitable extinguishing media:         | not suitable                                   |
| Special fire or explosion hazards:       | not suitable                                   |
| Special fire-fighting procedures:        | not suitable                                   |
| 6. Accidental Release measures           |  |
| Personal precausions:                    | no measures necessary                          |
| Environmental precautions:               | not suitable                                   |
| Methods for cleaning up:                 | vacuum clean or collect dry                    |
| 7. Handling and Storage                  |  |
| Handling:<br>Safe handling:              | avoid dust                                     |
| Fire- and explosion protection:          | not suitable                                   |
| Storage:<br>Conditions for safe storage: | store dry                                      |
| Storage conditions:                      | not suitable                                   |
| 8. Exposure Controls/Personal Protection |  |

FOR ISOLERING OG FILTRERING

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|   |  | Material Safety Data Sheet<br>according EC1272/2008                      |  |  |  |  |
|---|--|--|--|--|--|--|
| General protection<br>and hygienic measures: no special measures necessary   Respiratory protection: optionally dust mask, e.g. particle filter P1-P3<br>not suitable   Hand protection: optionally goggles or safety glasses<br>not suitable   Byineral dust, inert, respirable is 5 mg/m3 optionally goggles or safety glasses<br>not suitable   Wineral dust, inert, respirable is 5 mg/m3 optionally goggles or safety glasses<br>in closed rooms there must be an extraction of air.   Physical and chemical properties Appearance:   Form: granulated material<br>Colour:   Odur: none   Change of condition: mot suitable   Melting point/melting range: not suitable   Flash point: not suitable   Explosive properties: not suitable   Vapor pressure: not suitable   Density: Bulk density: 50 - 200 kg/m³   Solubility in water: not suitable  |  | <b>&amp; Filler PERLITE – all types</b> :Aug. 2016                       |  |  |  |  |
| and hygienic measures: no special measures necessary   Respiratory protection: optionally dust mask, e.g. particle filter P1-P3   Hand protection: not suitable   Eye protection: optionally goggles or safety glasses   Skin protection: not suitable   Inneral dust, inert, respirable is 5 mg/m3 ont suitable   Ollow the general protection against air born dust and respirable dust. If you work with open bags or big ags in closed rooms there must be an extraction of air.   Physical and chemical properties   Appearance:   Form: granulated material   Colour: white-grey   Odour: not suitable   Physical and chemical properties not suitable   Appearance: granulated material   Colour: white-grey   Odour: not   White group of condition: metring range:   Melting point /melting range: not suitable   Flash point: not suitable   Flash point: not suitable   Vapor pressure: not suitable   Density: Bulk density: 50 - 200 kg/m³   Solubility in water: not suitable   |  | <b>page:</b> 3 of 5  |  |  |  |  |
| and hygienic measures: no special measures necessary   Respiratory protection: optionally dust mask, e.g. particle filter P1-P3   Hand protection: not suitable   Eye protection: optionally goggles or safety glasses   Skin protection: not suitable   Mineral dust, inert, respirable is 5 mg/m3 mot suitable   Mineral dust, inert, respirable is 5 mg/m3 mot suitable   Mineral dust, inert, respirable is 5 mg/m3 mot suitable   Mineral dust, inert, respirable is 5 mg/m3 mot suitable   Mineral dust, inert, respirable is 5 mg/m3 mot suitable   Mineral dust, inert, respirable is 5 mg/m3 mot suitable   Mineral dust, inert, respirable is 4 mg/m3 mot suitable   Mineral dust, inert, respirable is 5 mg/m3 mot suitable   Mineral dust, inert, respirable is 5 mg/m3 mot suitable   Physical and chemical properties granulated material   Colour: white-grey   Odour: none   Change of condition: mot suitable   Melting point/melting range: not suitable   Flash point: not suitable   Vapor pressure: not suitable   Density: Bulk | General protection   |  |  |  |  |  |
| Hand protection: not suitable   Eye protection: optionally goggles or safety glasses   Nineral dust, inert, respirable is 5 mg/m3 old with the spirable is 5 mg/m3   ollow the general protection against air born dust and respirable dust. If you work with open bags or big ags in closed rooms there must be an extraction of air.   Physical and chemical properties   Appearance:   Form: granulated material   Colour: white-grey   Odour: none   Change of condition: mot suitable   Melting point /melting range: not suitable   Flash point: not suitable   Flash point: not suitable   Vapor pressure: not suitable   Density: Bulk density: 50 - 200 kg/m³   Solubility in water: not suitable  | -  | no special measures necessary  |  |  |  |  |
| Hand protection: not suitable   Eye protection: optionally goggles or safety glasses   Nineral dust, inert, respirable is 5 mg/m3 ont suitable   ollow the general protection against air born dust and respirable dust. If you work with open bags or big ags in closed rooms there must be an extraction of air.   Physical and chemical properties   Appearance:   Form: granulated material   Colour: white-grey   Odour: none   Change of condition: mot suitable   Melting point/melting range: not suitable   Flash point: not suitable   Papositie properties: not suitable   Vapor pressure: not suitable   Density: Bulk density: 50 - 200 kg/m³   Solubility in water: not suitable  | Despiratory protection.  | optionally dust mask a g partiala filtar D1 D2                           |  |  |  |  |
| Eye protection: optionally goggles or safety glasses<br>not suitable   Mineral dust, inert, respirable is 5 mg/m3 ionally goggles or safety glasses   Mineral dust, inert, respirable is 5 mg/m3 ionally goggles or safety glasses   Mineral dust, inert, respirable is 5 mg/m3 ionally goggles or safety glasses   Mineral dust, inert, respirable is 5 mg/m3 ionally goggles or safety glasses   Mineral dust, inert, respirable is 5 mg/m3 ionally goggles or safety glasses   Mineral dust, inert, respirable dust and respirable dust. If you work with open bags or big bags in closed rooms there must be an extraction of air.   Deviceal and chemical properties Appearance:   Form: granulated material   Colour: white-grey   Odour: none   Change of condition: 1100 °C - 1300 °C   Melting point /melting range: not suitable   Flash point: not suitable   Flash point: not suitable   Vapor pressure: not suitable   Density: Bulk density: 50 - 200 kg/m³   Solubility in water: not suitable   |  |  |  |  |  |  |
| Aineral dust, inert is 10 mg/m3   Aineral dust, inert, respirable is 5 mg/m3   ollow the general protection against air born dust and respirable dust. If you work with open bags or big ags in closed rooms there must be an extraction of air.   P. Physical and chemical properties   Appearance:   Form: granulated material   Colour: white-grey   Odour: none   Change of condition: 1100 °C - 1300 °C   Boiling point /melting range: not suitable   Flash point: not suitable   Vapor pressure: not suitable   Density: Bulk density: 50 - 200 kg/m³   Solubility in water: not suitable  | _  |  |  |  |  |  |
| Alineral dust, inert, respirable is 5 mg/m3   ollow the general protection against air born dust and respirable dust. If you work with open bags or big ags in closed rooms there must be an extraction of air.   • Physical and chemical properties   Appearance:   Form: granulated material   Colour: white-grey   Odour: none   Change of condition: 1100 °C - 1300 °C   Melting point /melting range: 1100 °C - 1300 °C   Boiling point/boiling range: not suitable   Flash point: not suitable   Vapor pressure: not suitable   Density: Bulk density: 50 - 200 kg/m³   Solubility in water: not suitable   | Skin protection:   | not suitable   |  |  |  |  |
| Appearance:<br>Form:<br>Colour:<br>Odour:granulated material<br>white-grey<br>noneChange of condition:<br>Melting point/melting range:<br>Boiling point/boiling range:l100 °C - 1300 °C<br>not suitableFlash point:not suitableFlash point:not suitableKapor pressure:not suitableDensity:Bulk density: 50 - 200 kg/m³Solubility in water:not suitable  | <b>Aineral dust, inert, respirable is 5 mg</b><br>ollow the general protection against | air born dust and respirable dust. If you work with open bags or bi      |  |  |  |  |
| Appearance:<br>Form:<br>Colour:<br>Odour:granulated material<br>  |  |  |  |  |  |  |
| Form:<br>Colour:<br>Odour:granulated material<br>white-grey<br>noneChange of condition:<br>Melting point/melting range:<br>Boiling point/boiling range:1100 °C - 1300 °C<br>not suitableFlash point:not suitableFlash point:not suitableKappor pressure:not suitableDensity:Bulk density: 50 - 200 kg/m³Solubility in water:not suitable  | ). Physical and chemical properti  | es   |  |  |  |  |
| Form:<br>Colour:<br>Odour:granulated material<br>white-grey<br>noneChange of condition:<br>Melting point/melting range:<br>Boiling point/boiling range:1100 °C - 1300 °C<br>not suitableFlash point:not suitableFlash point:not suitableKapor pressure:not suitableDensity:Bulk density: 50 - 200 kg/m³Solubility in water:not suitable   | Appearance:  |  |  |  |  |  |
| Odour:noneOdour:noneChange of condition:<br>Melting point/melting range:1100 °C - 1300 °C<br>not suitableFlash point:not suitableFlash point:not suitableKappor pressure:not suitableOdour:Not suitableDensity:Bulk density: 50 - 200 kg/m³Solubility in water:not suitable   |  | granulated material  |  |  |  |  |
| Change of condition:<br>Melting point /melting range:1100 °C - 1300 °C<br>not suitableFlash point:not suitableFlash point:not suitableKappor properties:not suitableVapor pressure:not suitableDensity:Bulk density: 50 - 200 kg/m³Solubility in water:not suitable   |  | white-grey   |  |  |  |  |
| Melting point /melting range:1100 °C - 1300 °C<br>not suitableFlash point:not suitableFlash point:not suitableExplosive properties:not suitableVapor pressure:not suitableDensity:Bulk density: 50 - 200 kg/m³Solubility in water:not suitable  | Odour:   | none   |  |  |  |  |
| Boiling point/ boiling range:not suitableFlash point:not suitableExplosive properties:not suitableVapor pressure:not suitableDensity:Bulk density: 50 - 200 kg/m³Solubility in water:not suitable   | Change of condition:   |  |  |  |  |  |
| Flash point:not suitableExplosive properties:not suitableVapor pressure:not suitableDensity:Bulk density: 50 - 200 kg/m³Solubility in water:not suitable  |  |  |  |  |  |  |
| Explosive properties:not suitableVapor pressure:not suitableDensity:Bulk density: 50 - 200 kg/m³Solubility in water:not suitable  | Boiling point/ boiling r   | range: not suitable  |  |  |  |  |
| Vapor pressure:not suitableDensity:Bulk density: 50 - 200 kg/m³Solubility in water:not suitable   | Flash noint:   | not suitable   |  |  |  |  |
| Density:Bulk density: 50 - 200 kg/m³Solubility in water:not suitable  | riash point.   |  |  |  |  |  |
| Solubility in water: not suitable   | -  | not suitable   |  |  |  |  |
|   | Explosive properties:  |  |  |  |  |  |
| -   | Explosive properties:<br>Vapor pressure:   | not suitable   |  |  |  |  |
| <b>rn-value:</b> 6,5 - 7,9 (tap water)  | Explosive properties:<br>Vapor pressure:<br>Density:                                   | not suitable<br>Bulk density: 50 - 200 kg/m <sup>3</sup>                 |  |  |  |  |
|   | Explosive properties:<br>Vapor pressure:<br>Density:<br>Solubility in water:           | not suitable<br>Bulk density: 50 - 200 kg/m <sup>3</sup><br>not suitable |  |  |  |  |

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| Product:                          |                   | r PERLITE – all types        | :Aug. 2016<br>page: 4 of 5 |
|-----------------------------------|-------------------|------------------------------|----------------------------|
| Viscosity:                        |                   | not suitable                 | pager 1010                 |
| 0. <u>Stability and reactivi</u>  | ty                |                              |                            |
| Conditions to avoid:              |                   |                              |                            |
| Thermical decomposit              | tion:             | not suitable                 |                            |
| Materials to avoid:               |                   | not suitable                 |                            |
| Hazardous decomposi               | ition products:   | not suitable                 |                            |
| 11. <u>Toxicological inform</u>   | ation             |                              |                            |
| Acute toxicity:                   |                   | not suitable                 |                            |
| Primary irritation:               |                   | avoid dust                   |                            |
| Skin:                             |                   | not suitable                 |                            |
| Eye:                              |                   | not suitable                 |                            |
| Additional Information            | on:               | none                         |                            |
| 12. <u>Ecological Information</u> | <u>on</u>         |                              |                            |
| General:                          | the product is fu | lly ecologic and multiple us | sable                      |
| 13. Disposal consideration        | <u>on</u>         |                              |                            |
| Product:                          | multiple usa      | able if collected dry        |                            |
| <b>Recommendation:</b>            | method of d       | lisposal: landfill           |                            |
| EAK Nr:                           | 01 01 02          |                              |                            |
|                                   | non-hazardo       | ous as defined by RCRA (4    | 0 CFR part 261)            |
| Packing:                          |                   | cking is nearly clean        |                            |
|                                   | dispose via       | ARA system Nr. 494 or sin    | nilar                      |

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| according EC1272/2008                     |                               |                            |  |  |  |
|---|-------------------------------|----------------------------|--|--|--|
| Product: FILTER & Fill                    | <i>er PERLITE</i> – all types | :Aug. 2016<br>page: 5 of 5 |  |  |  |
| Non dangerous good according transport    | rt classification             |                            |  |  |  |
| 15. <u>Regulatory information</u>         |                               |                            |  |  |  |
| Labeling according 67/548/EEC:            | not suitable                  |                            |  |  |  |
| National regulations:                     | not suitable                  |                            |  |  |  |
| Classification according VbF:             | not suitable                  |                            |  |  |  |
| Water endangering:                        | 0 (self rating)               |                            |  |  |  |
| 16. Any other relevant information        |                               |                            |  |  |  |
|   |                               |                            |  |  |  |
| As of the date of preparation of this doc | 0 0                           |                            |  |  |  |
| accurate and is provided in good faith to | o comply with applicable fede | eral and state law(s).     |  |  |  |

