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

1.1 Product identifier

Oil binder Premium 30 L
Art.: 244276

Kieselguhr, calcined
Registration number (ECHA): --
Index: ---
EINECS, ELINCS, NLP: 293-303-4
CAS: 91053-39-3

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

Relevant identified uses of the substance or mixture:
Oil binder
Uses advised against:
No information available at present.

1.3 Details of the supplier of the safety data sheet

Berner Produkten b.v., Vogelzankweg 175, 6374 AC Landgraaf, Netherlands
Phone: +31 45 53 39 133, Fax: +31 45 53 14 588
info@berner.nl, www.berner.nl

Details of the supplier of the safety data sheet see section 16 of this safety data sheet.

Qualified person's e-mail address: Productsafety.Chemicals@berner-group.com Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:
---
Telephone number of the company in case of emergencies:
+49 (0) 221 80260 889 (09:00 – 17:00)
2.1 Classification of the substance or mixture
Classification according to Regulation (EC) 1272/2008 (CLP)
Not applicable

2.2 Label elements
Labeling according to Regulation (EC) 1272/2008 (CLP)
Not applicable

2.3 Other hazards
No vPvB substance
No PBT substance

SECTION 3: Composition/information on ingredients

3.1 Substance

<table>
<thead>
<tr>
<th>Kieselguhr, calcined</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration number (REACH)</td>
<td>--</td>
</tr>
<tr>
<td>Index</td>
<td>---</td>
</tr>
<tr>
<td>EINECS, ELINCS, NLP</td>
<td>293-303-4</td>
</tr>
<tr>
<td>CAS</td>
<td>91053-39-3</td>
</tr>
<tr>
<td>content %</td>
<td>---</td>
</tr>
<tr>
<td>Classification according to Regulation (EC) 1272/2008 (CLP)</td>
<td>---</td>
</tr>
</tbody>
</table>

3.2 Mixture
n.a.

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.
The substances named in this section are given with their actual, appropriate classification!
For substances that are listed in appendix VI, table 3.1/3.2 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures
Inhalation
Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.

Skin contact
Wash thoroughly with soap and water.
Remove contaminated clothing immediately.

Eye contact
Remove contact lenses.
Wash thoroughly for several minutes using copious water. Seek medical help if necessary.
Do not rub.
SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Product is not combustible.
Adapt to the nature and extent of fire.

Unsuitable extinguishing media
High volume water jet

5.2 Special hazards arising from the substance or mixture
In case of fire the following can develop:

n.d.a.

5.3 Advice for firefighters
In case of fire and/or explosion do not breathe fumes.
Protective respirator with independent air supply.
According to size of fire
Full protection, if necessary.
Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Ensure sufficient supply of air.
Avoid build up of dust.
Avoid inhaling
Avoid contact with eyes.

6.2 Environmental precautions
Prevent from entering drainage system.
Prevent surface and ground-water infiltration, as well as ground penetration.

6.3 Methods and material for containment and cleaning up
Pick up mechanically and dispose of according to Section 13.
SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 6 and 6.1.

7.1 Precautions for safe handling
7.1.1 General recommendations
Avoid build up of dust.
Avoid contact with eyes.
Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
Observe directions on label and instructions for use.
7.1.2 Notes on general hygiene measures at the workplace
General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities
Store product closed and only in original packing.
Not to be stored in gangways or stair wells.
Protect against moisture and store closed.

7.3 Specific end use(s)
No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>general dust limit</th>
<th>Content %:</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL-TWA:</td>
<td>10 mg/m3 (inhal. dust), 4 mg/m3 (respir. dust)</td>
<td>---</td>
</tr>
<tr>
<td>WEL-STEL:</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>BMGV:</td>
<td>---</td>
<td>Other information: ---</td>
</tr>
</tbody>
</table>

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). |
WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). |
BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) |
Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage. |
** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

8.2 Exposure controls
8.2.1 Appropriate engineering controls
Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
Normally not necessary.

Skin protection - Hand protection:
Normally not necessary.

Skin protection - Other:
Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:
Normally not necessary.
If OES or MEL is exceeded.
If applicable, filter P2 (EN 143), code colour white
Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:
If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.
In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.
Selection of materials derived from glove manufacturer's indications.
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.
The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls
No information available at present.

SECTION 9: Physical and chemical properties
9.1 Information on basic physical and chemical properties

Physical state: Granulate
Colour: Red-brown
Odour: Odourless
Odour threshold: Not determined
pH-value: 5.5
Melting point/freezing point: Not determined
Initial boiling point and boiling range: Not determined
Flash point: Not determined
Evaporation rate: Not determined
Flammability (solid, gas): Not determined
Lower explosive limit: Not determined
Upper explosive limit: Not determined
Vapour pressure: Not determined
Vapour density (air = 1): Not determined
Density: Not determined
Bulk density: 496 g/l
Solubility(ies): Not determined
Water solubility: Insoluble
Partition coefficient (n-octanol/water): Not determined
Auto-ignition temperature: Not determined
Decomposition temperature: Not determined
Viscosity: Not determined
Explosive properties: Not determined
Oxidising properties: Not determined

9.2 Other information

Miscibility: Not determined
Fat solubility / solvent: Not determined
Conductivity: Not determined
Surface tension: Not determined
Solvents content: Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity
See also Subsection 10.2 to 10.6.
The product has not been tested.

10.2 Chemical stability
See also Subsection 10.1 to 10.6.
Stable with proper storage and handling.

10.3 Possibility of hazardous reactions
See also Subsection 10.1 to 10.6.
No decomposition if used as intended.

10.4 Conditions to avoid
See also section 7.

10.5 Incompatible materials
See also section 7.
No dangerous reactions are known.
10.6 Hazardous decomposition products
See also Subsection 10.1 to 10.5.
See also section 5.2
No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Possibly more information on health effects, see Section 2.1 (classification).

<table>
<thead>
<tr>
<th>Kieselguhr, calcined</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/irritation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitisation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Reproductive toxicity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Aspiration hazard:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Symptoms:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

<table>
<thead>
<tr>
<th>Kieselguhr, calcined</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
</table>
### 12.2. Persistence and degradability:

<table>
<thead>
<tr>
<th></th>
<th>Not biodegradable, Mechanical precipitation possible.</th>
</tr>
</thead>
</table>

### 12.3. Bioaccumulative potential:

<table>
<thead>
<tr>
<th></th>
<th>n.d.a.</th>
</tr>
</thead>
</table>

### 12.4. Mobility in soil:

<table>
<thead>
<tr>
<th></th>
<th>n.d.a.</th>
</tr>
</thead>
</table>

### 12.5. Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th></th>
<th>n.d.a.</th>
</tr>
</thead>
</table>

### 12.6. Other adverse effects:

<table>
<thead>
<tr>
<th></th>
<th>n.d.a.</th>
</tr>
</thead>
</table>

### Other information:

<table>
<thead>
<tr>
<th></th>
<th>DOC elimination degree(complexing organic substance)&gt; = 80%/28d:. n.a.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th></th>
<th>AOX</th>
<th>0</th>
<th>%</th>
</tr>
</thead>
</table>

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

For the substance / mixture / residual amounts

<table>
<thead>
<tr>
<th>EC disposal code no.:</th>
<th>Recommendation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 04 10 dusty and powdery wastes other than those mentioned in 01 04 07</td>
<td>Sewage disposal shall be discouraged.</td>
</tr>
<tr>
<td>01 03 08 dusty and powdery wastes other than those mentioned in 01 03 07</td>
<td>Pay attention to local and national official regulations.</td>
</tr>
<tr>
<td>06 08 99 wastes not otherwise specified</td>
<td>E.g. suitable incineration plant.</td>
</tr>
<tr>
<td></td>
<td>E.g. dispose at suitable refuse site.</td>
</tr>
</tbody>
</table>

For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.
SECTION 14: Transport information

General statements
14.1. UN number: n.a.

Transport by road/by rail (ADR/RID)
14.2. UN proper shipping name:
14.3. Transport hazard class(es): n.a.
14.4. Packing group:
Classification code:
LQ (ADR 2015):
14.5. Environmental hazards: Not applicable

Transport by sea (IMDG-code)
14.2. UN proper shipping name:
14.3. Transport hazard class(es): n.a.
14.4. Packing group:
Marine Pollutant: n.a.
14.5. Environmental hazards: Not applicable

Transport by air (IATA)
14.2. UN proper shipping name:
14.3. Transport hazard class(es): n.a.
14.4. Packing group:
14.5. Environmental hazards: Not applicable

14.6. Special precautions for user
Unless specified otherwise, general measures for safe transport must be followed.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
For classification and labelling see Section 2.
Observe restrictions:
General hygiene measures for the handling of chemicals are applicable.

15.2 Chemical safety assessment
There is no chemical safety report available.

SECTION 16: Other information

Revised sections: 1 - 16
The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).
<table>
<thead>
<tr>
<th>Company</th>
<th>Address</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albert Berner Deutschland GmbH</td>
<td>Bernerstrasse 4, D - 74653 Künzelsau</td>
<td>Tel +49 79 40 12 10, Fax +49 79 40 12 13 00, <a href="mailto:info@berner.de">info@berner.de</a>, <a href="http://www.berner.de">www.berner.de</a></td>
</tr>
<tr>
<td>Berner Gesellschaft m.b.H.</td>
<td>Industriezeile 36, A - 5280 Braunaue / Inn</td>
<td>Tel +43 77 22 800 508, Fax +43 77 22 800 184, <a href="mailto:berner@berner.co.at">berner@berner.co.at</a>, <a href="http://www.berner.co.at">www.berner.co.at</a></td>
</tr>
<tr>
<td>Berner Belgien NV/SA</td>
<td>Bernerstraat 1, B - 3620 Lanaken</td>
<td>Tel +31 45 533 93 133 (8.00h-16.00h), Fax +31 45 533 93 133, <a href="mailto:info@berner.be">info@berner.be</a>, <a href="http://www.berner.be">www.berner.be</a></td>
</tr>
<tr>
<td>Montagetechnik Berner AG</td>
<td>Kägenstraße 8, CH - 4153 Reinach / Bl. 1</td>
<td>Tel +41 61 71 59 222, Fax +41 61 71 59 333, <a href="mailto:berner-ag@berner-ag.ch">berner-ag@berner-ag.ch</a>, <a href="http://www.berner-ag.ch">www.berner-ag.ch</a></td>
</tr>
<tr>
<td>Berner A/S</td>
<td>Stenholm 2, DK - 9400 Nørresundby</td>
<td>Tel +45 99 36 15 00, Fax +45 98 19 24 14, <a href="mailto:info@berner.dk">info@berner.dk</a>, <a href="http://www.berner.dk">www.berner.dk</a></td>
</tr>
<tr>
<td>Berner Montaje y Fijación, S.L.</td>
<td>P.I. &quot;La Rosa VI&quot;, C/Albert Berner, 2</td>
<td>Tel +34 90 21 03 504, Fax +34 90 21 13 190, <a href="mailto:berner-spain@berner.es">berner-spain@berner.es</a>, <a href="http://www.berner.es">www.berner.es</a></td>
</tr>
<tr>
<td>Berner Kft.</td>
<td>Tallás u. 34, H - 1097 Budapest</td>
<td>Tel +36 (1) 347 1059, Fax +36 (1) 347 1045, <a href="mailto:info@berner.hu">info@berner.hu</a>, <a href="http://www.berner.hu">www.berner.hu</a></td>
</tr>
<tr>
<td>Frimann-Berner AS</td>
<td>Holmaveien 25, N - 1339 Vøyenenga</td>
<td>Tel +47 66 76 55 80, Fax +47 66 76 55 81, <a href="mailto:info@berner.no">info@berner.no</a>, <a href="http://www.berner.no">www.berner.no</a></td>
</tr>
<tr>
<td>Berner Succ. Luxembourg</td>
<td>105, Rue des Bruyères, L - 1274 Howald</td>
<td>Tel +31 45 533 93 133 (8.00h-16.00h), Fax +31 45 533 93 133, <a href="mailto:info@berner.lu">info@berner.lu</a>, <a href="http://www.berner.lu">www.berner.lu</a></td>
</tr>
<tr>
<td>Berner spol. s r.o.</td>
<td>Jinonická 80, CZ - 158 00 Praha 5</td>
<td>Tel +420 225 390 666, Fax +420 225 390 660, <a href="mailto:berner@berner.cz">berner@berner.cz</a>, <a href="http://www.berner.cz">www.berner.cz</a></td>
</tr>
<tr>
<td>Berner S.A.</td>
<td>Av. Amália Rodrigues, 3510, Manique de Baixo</td>
<td>Tel ++351 21 448 90 60, Fax ++351 21 448 90 69, <a href="mailto:marketing.pt@berner.pt">marketing.pt@berner.pt</a>, <a href="http://www.berner.pt">www.berner.pt</a></td>
</tr>
<tr>
<td>Berner Polska Sp. z o.o.</td>
<td>Ul. Puszkerska 7J, 30-644 Kraków</td>
<td>Tel +48 12 297 62 40, Fax +48 12 297 62 02, <a href="mailto:office@berner.pl">office@berner.pl</a>, <a href="http://www.berner.pl">www.berner.pl</a></td>
</tr>
</tbody>
</table>
AOX Adsorbable organic halogen compounds
approx. approximately
Art., Art. no. Article number
ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
BCF Bioconcentration factor
BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)
BMGV Biological monitoring guidance value (EH40, UK)
BOD Biochemical oxygen demand
BSEF Bromine Science and Environmental Forum
bw body weight
CAS Chemical Abstracts Service
CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids
CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques
CIPAC Collaborative International Pesticides Analytical Council
CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
CMR carcinogenic, mutagenic, reproductive toxic
COD Chemical oxygen demand
CTFA Cosmetic, Toiletry, and Fragrance Association
DMEL Derived Minimum Effect Level
DNEL Derived No Effect Level
DOC Dissolved organic carbon
DT50 Dwell Time - 50% reduction of start concentration
DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)
dw dry weight
e.g. for example (abbreviation of Latin 'exempli gratia'), for instance
EC European Community
ECH A European Chemicals Agency
EAA European Economic Area
EEC European Economic Community
EINECS European Inventory of Existing Commercial Chemical Substances
ELINCS European List of Notified Chemical Substances
EN European Norms
EPA United States Environmental Protection Agency (United States of America)
ERC Environmental Release Categories
ES Exposure scenario
etc. et cetera
EU European Union
EWC European Waste Catalogue
Fax. Fax number
gen. general
GHS Globally Harmonized System of Classification and Labelling of Chemicals
GWP Global warming potential
HET-CAM Hen's Egg Test - Chorionallantoic Membrane
HGWP Halocarbon Global Warming Potential
The statements made here should describe the product with regard to the necessary safety precautions — they are not meant to guarantee definite characteristics — but they are based on our present up-to-date knowledge. No responsibility.