

GB

Page 1 of 9
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 08.05.2015 / 0004
Replaces revision of / Version: 23.11.2010 / 0003
Valid from: 08.05.2015
PDF print date: 12.05.2015
Insecto Sec®

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

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Uncalcined diatomite
Registration number (ECHA): --
Index: ---
EINECS, ELINCS, NLP: ---
61790-53-2

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

Relevant identified uses of the substance or mixture:

Biocide applications

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

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Biofa AG, Rudolf-Diesel-Str. 2, 72525 Münsingen, Germany
Phone: 07381/9354 - 0, Fax: 07381/9354-54
www.biofa-profi.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone

Emergency information services / official advisory body:

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+49 30 30686 790 (Berlin)

Telephone number of the company in case of emergencies:

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)

Not applicable

2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments)

Not applicable

2.2 Label elements

2.2.1 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

GB

Page 2 of 9
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 08.05.2015 / 0004
 Replaces revision of / Version: 23.11.2010 / 0003
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3.1 Substance

Uncalcined diatomite	
Registration number (REACH)	--
Index	---
EINECS, ELINCS, NLP	-
CAS	61790-53-2
content %	
Classification according to Directive 67/548/EEC	---
Classification according to Regulation (EC) 1272/2008 (CLP)	---

3.2 Mixture

n.a.

For the text of the R-phrases / 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

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Do not rub.

Product is mechanically abrasive.

Ingestion

Rinse the mouth thoroughly with water.

Give copious water to drink. Consult doctor if necessary.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Adapt to the nature and extent of fire.

Product is not combustible.

Unsuitable extinguishing media

n.c.

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

n.a.

5.3 Advice for firefighters

According to size of fire

Protective respirator with independent air supply.

Dispose of contaminated extinction water according to official regulations.

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
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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 contact with eyes or skin.

6.2 Environmental precautions

If leakage occurs, dam up.
 Resolve leaks if this possible without risk.
 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.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Avoid build up of dust.
 Ensure good ventilation.
 Take measures against electrostatic charging, if appropriate.
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
 Observe directions on label and instructions for use.
 During transfer operations:
 Switch on available suction system.

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

Not to be stored in gangways or stair wells.
 Store product closed and only in original packing.
 Store in a dry place.
 Do not store near substances with strong odours.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

GB Chemical Name	Uncalcined diatomite		Content %:
WEL-TWA: 1,2 mg/m3 (natural, resp. dust)	WEL-STEL: ---	---	
BMGV: ---	Other information: ---		
GB Chemical Name	general dust limit		Content %:
WEL-TWA: 10 mg/m3 (inhal. dust), 4 mg/m3 (respir. dust)	WEL-STEL: ---	---	
BMGV: ---	Other information: ---		

GB 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"

GB

Page 4 of 9
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 08.05.2015 / 0004
 Replaces revision of / Version: 23.11.2010 / 0003
 Valid from: 08.05.2015
 PDF print date: 12.05.2015
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(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:
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:
 Recommended
 Rubber gloves (EN 374).
 Permeation time (penetration time) in minutes:
 > 480
 Protective hand cream recommended.

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

Respiratory protection:
 If OES or MEL is exceeded.
 Breathing mask with fine-dust filter (EN 143), code colour white.

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:	Solid, powder
Colour:	White
Odour:	Odourless
Odour threshold:	Not determined
pH-value:	n.a.
Melting point/freezing point:	1710 °C
Initial boiling point and boiling range:	>2200 °C
Flash point:	n.a.
Evaporation rate:	Not determined

GB

Page 5 of 9
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 08.05.2015 / 0004
 Replaces revision of / Version: 23.11.2010 / 0003
 Valid from: 08.05.2015
 PDF print date: 12.05.2015
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Flammability (solid, gas):	No
Lower explosive limit:	Not determined
Upper explosive limit:	Not determined
Vapour pressure:	0 mmHg
Vapour density (air = 1):	Not determined
Density:	Not determined
Bulk density:	80-320 g/l (References)
Solubility(ies):	Not determined
Water solubility:	Insoluble
Partition coefficient (n-octanol/water):	n.a.
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Product is not explosive.
Oxidising properties:	No
9.2 Other information	
Miscibility:	Not determined
Fat solubility / solvent:	No, Organic solvents
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

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.
 Strong heat

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

See also Subsection 10.1 to 10.5.
 See also section 5.2

SECTION 11: Toxicological information

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

Uncalcined diatomite

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.

GB

Page 6 of 9
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 08.05.2015 / 0004
 Replaces revision of / Version: 23.11.2010 / 0003
 Valid from: 08.05.2015
 PDF print date: 12.05.2015
 Insecto Sec®

Specific target organ toxicity - single exposure (STOT-SE):							n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):							n.d.a.
Aspiration hazard:							n.d.a.
Symptoms:							n.d.a.

SECTION 12: Ecological information

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

Uncalcined diatomite							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							Inorganic products cannot be eliminated from water through biological purification methods.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.
Results of PBT and vPvB assessment							n.d.a.
Other adverse effects:							n.d.a.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

06 08 wastes from the MFSU of silicon and silicon derivatives

06 08 99 wastes not otherwise specified

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations

E.g. dispose at suitable refuse site.

For contaminated packing material

Pay attention to local and national official regulations

Empty container completely.

Untampered packaging can be recycled.

SECTION 14: Transport information

General statements

UN number: n.a.

Transport by road/by rail (ADR/RID)

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Classification code: n.a.

GB

Page 7 of 9
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 08.05.2015 / 0004
Replaces revision of / Version: 23.11.2010 / 0003
Valid from: 08.05.2015
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LQ (ADR 2015): n.a.
LQ (ADR 2009): n.a.
Environmental hazards: Not applicable
Tunnel restriction code:

Transport by sea (IMDG-code)

UN proper shipping name:
Transport hazard class(es): n.a.
Packing group: n.a.
Marine Pollutant: n.a.
Environmental hazards: Not applicable

Transport by air (IATA)

UN proper shipping name:
Transport hazard class(es): n.a.
Packing group: n.a.
Environmental hazards: Not applicable

Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

Transport in bulk according to Annex II of MARPOL 73/78 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

Additional data acc. to Art. 69 (2), Regulation (EU) No 528/2012 (Biocide products): For classification and labelling see Section 2.
The identity of every active substance and its concentration in metric units:
100g/100g
Uncalcined diatomite
Registration number BAuA (Federal Institute for Occupational Health and Safety, Germany): baua:Reg.-Nr. N-16171
Type of mixture:
See section 1.
Observe restrictions:
Directive 2010/75/EU (VOC): 0 %

15.2 Chemical safety assessment

There is no chemical safety report available.

SECTION 16: Other information

These details refer to the product as it is delivered.
Revised sections: 8, 15

Any abbreviations and acronyms used in this document:

AC Article Categories
acc., acc. to according, according to
ACGIH American Conference of Governmental Industrial Hygienists
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOEL Acceptable Operator Exposure Level
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)

Page 8 of 9
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 08.05.2015 / 0004
 Replaces revision of / Version: 23.11.2010 / 0003
 Valid from: 08.05.2015
 PDF print date: 12.05.2015
 Insecto Sec®

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
 BCF Bioconcentration factor
 BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
 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
 ECHA European Chemicals Agency
 EEA 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
 IARC International Agency for Research on Cancer
 IATA International Air Transport Association
 IBC Intermediate Bulk Container
 IBC (Code) International Bulk Chemical (Code)
 IC Inhibitory concentration
 IMDG-code International Maritime Code for Dangerous Goods
 incl. including, inclusive
 IUCLID International Uniform Chemical Information Database
 LC lethal concentration
 LC50 lethal concentration 50 percent kill
 LCLo lowest published lethal concentration
 LD Lethal Dose of a chemical
 LD50 Lethal Dose, 50% kill
 LDLo Lethal Dose Low
 LOAEL Lowest Observed Adverse Effect Level
 LOEC Lowest Observed Effect Concentration
 LOEL Lowest Observed Effect Level
 LQ Limited Quantities
 MARPOL International Convention for the Prevention of Marine Pollution from Ships

Page 9 of 9
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 08.05.2015 / 0004
Replaces revision of / Version: 23.11.2010 / 0003
Valid from: 08.05.2015
PDF print date: 12.05.2015
Insecto Sec®

n.a. not applicable
n.av. not available
n.c. not checked
n.d.a. no data available
NIOSH National Institute of Occupational Safety and Health (United States of America)
NOAEC No Observed Adverse Effective Concentration
NOAEL No Observed Adverse Effect Level
NOEC No Observed Effect Concentration
NOEL No Observed Effect Level
ODP Ozone Depletion Potential
OECD Organisation for Economic Co-operation and Development
org. organic
PAH polycyclic aromatic hydrocarbon
PBT persistent, bioaccumulative and toxic
PC Chemical product category
PE Polyethylene
PNEC Predicted No Effect Concentration
POCP Photochemical ozone creation potential
ppm parts per million
PROC Process category
PTFE Polytetrafluorethylene
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
SADT Self-Accelerating Decomposition Temperature
SAR Structure Activity Relationship
SU Sector of use
SVHC Substances of Very High Concern
Tel. Telephone
ThOD Theoretical oxygen demand
TOC Total organic carbon
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).
WHO World Health Organization
wwt wet weight

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.

These statements were made by:

Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

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