

ÖKO-TEC Umweltschutzsysteme GmbH  
63579 Freigericht-Horbach

Date printed 03.04.2024, Revision 11.03.2024

Version 6.0

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

### 1.1 Product identifier

**UNI-SAFE Plus**

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

#### 1.2.1 Relevant uses

Oil and chemical binder

#### 1.2.2 Uses advised against

None known.

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

#### Company

ÖKO-TEC Umweltschutzsysteme GmbH  
Im Krötengrund 4  
63579 Freigericht-Horbach / GERMANY  
Phone +49 (0)6055-9156-0  
Fax +49 (0)6055-9156-20  
Homepage [www.oeko-tec.de](http://www.oeko-tec.de)  
E-mail [service@oeko-tec.de](mailto:service@oeko-tec.de)

#### Address enquiries to

#### Technical information

[service@oeko-tec.de](mailto:service@oeko-tec.de)

#### Safety Data Sheet

[sdb@chemiebuero.de](mailto:sdb@chemiebuero.de) (No dispatch of safety data sheets)

Safety data sheets are available from the supplier.

### 1.4 Emergency telephone number

#### Advisory body

Poison Information Centre Mainz: +49 (0) 6131-19240 (24h) (advisory service in German or English language)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

No classification.

### 2.2 Label elements

The product does not require a hazard warning label in accordance with regulation CLP.

#### Hazard pictograms

none

#### Signal word

none

#### Hazard statements

none

#### Precautionary statements

none

### 2.3 Other hazards

#### Human health dangers

No disposal of respirable dust if used as directed.  
Contains no ingredients with endocrine-disrupting properties.

#### Environmental hazards

Does not contain any PBT or vPvB substances.

#### Other hazards

Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

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### 3.2 Mixtures

The product is a mixture.

Comment on component parts No hazardous components to be mentioned.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|                     |   |
|---------------------|---|
| General information | Change powdered clothing.   |
| Inhalation          | Ensure supply of fresh air.<br>In the event of symptoms seek medical treatment.   |
| Skin contact        | When in contact with the skin, clean with soap and water.<br>Consult a doctor if skin irritation persists.  |
| Eye contact         | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>If eye irritation persists: Get medical advice/attention. |
| Ingestion           | Rinse out mouth and give plenty of water to drink.<br>In the event of symptoms seek medical treatment.  |

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

None known.

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

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

|   |   |
|---|---|
| Suitable extinguishing media              | Foam, dry powder, water spray jet, carbon dioxide |
| Extinguishing media that must not be used | Full water jet.                                   |

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

Risk of formation of toxic pyrolysis products.

### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation.  
Avoid dust formation.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

Take up mechanically.  
Avoid raising dust.  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.  
Avoid the formation and deposition of dust.

Wash hands before breaks and after work.  
Use barrier skin cream.  
Do not eat, drink or smoke when using this product.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.  
Prevent penetration into the ground.  
Do not store together with food and animal food/diet.  
Store in a dry place.  
The product is hygroscopic.

storage class (TRGS 510)

Storage class 13 (VCI)

### 7.3 Specific end use(s)

See product use, SECTION 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored DE (TRGS 900)

|   |
|---|
| Substance   |
| Silicium dioxide  |
| CAS: 112926-00-8/7631-86-9, EINECS/ELINCS: 231-545-4  |
| Exposure limit: 4 mg/m <sup>3</sup> , E, DFG, 2, Y  |
| Sodium polyacrylate   |
| CAS: 60323-79-7, EINECS/ELINCS: Polymer   |
| Exposure limit: 0,05 mg/m <sup>3</sup> , Die Deutsche MAK-Kommission hat als Arbeitsplatzgrenzwert 0.05 mg/m <sup>3</sup> für alveolargängigen superabsorbierenden Polymerstaub (Durchmesser < 10 µm) festgelegt. |

#### Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

not relevant

### 8.2 Exposure controls

|  |   |
|--|---|
| <b>Additional advice on system design</b>                          | Ensure adequate ventilation on workstation.   |
| <b>Eye protection</b>  | Safety glasses. (EN 166:2001)   |
| <b>Hand protection</b>   | In full contact:<br>0,4 mm; butyl rubber, > 120 min (EN 374)<br>The details concerned are recommendations. Please contact the glove supplier for further information. |
| <b>Skin protection</b>   | light protective clothing   |
| <b>Other</b>   | Avoid contact with eyes and skin.<br>Do not inhale dust.  |
| <b>Respiratory protection</b>                                      | Respiratory protection in the case of dust formation.<br>Use Safety mask. (DIN EN 149)  |
| <b>Thermal hazards</b>   | none  |
| <b>Delimitation and monitoring of the environmental exposition</b> | Comply with applicable environmental regulations limiting discharge to air, water and soil.   |

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |                           |
|---|---------------------------|
| Physical state  | solid                     |
| Form  | powder                    |
| Color   | light green               |
| Odor  | odourless                 |
| Odour threshold   | not applicable            |
| pH-value  | not determined            |
| pH-value [1%]   | 6 - 7                     |
| Boiling point or initial boiling point and boiling range [°C] | not applicable            |
| Flash point [°C]  | not applicable            |
| Flammability  | not applicable            |
| Lower explosion limit   | not applicable            |
| Upper explosion limit   | not applicable            |
| Oxidising properties  | no                        |
| Vapour pressure/gas pressure [kPa]                            | not applicable            |
| Density [g/cm <sup>3</sup> ]                                  | not determined            |
| Relative density  | not determined            |
| Bulk density [kg/m <sup>3</sup> ]                             | > 360                     |
| Solubility in water   | insoluble                 |
| Solubility other solvents                                     | No information available. |
| Partition coefficient n-octanol/water (log value)             | not determined            |
| Kinematic viscosity   | not applicable            |
| Relative vapour density                                       | not applicable            |
| Melting point [°C]  | not determined            |
| Auto-ignition temperature [°C]                                | > 440 (DIN 51794)         |
| Decomposition temperature [°C]                                | 240                       |
| Particle characteristics                                      | > 10 µm                   |

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

The product is stable under standard conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

See SECTION 7.2.

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**10.5 Incompatible materials**

not required

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute oral toxicity**

Product

oral, Based on the available information, the classification criteria are not fulfilled.

**Acute dermal toxicity**

Product

dermal, Based on the available information, the classification criteria are not fulfilled.

**Acute inhalational toxicity**

Product

inhalative, Based on the available information, the classification criteria are not fulfilled.

**Serious eye damage/irritation**

Based on the available information, the classification criteria are not fulfilled.

**Skin corrosion/irritation**

Based on the available information, the classification criteria are not fulfilled.

**Respiratory or skin sensitisation**

Based on the available information, the classification criteria are not fulfilled.

**Specific target organ toxicity — single exposure**

Based on the available information, the classification criteria are not fulfilled.

**Specific target organ toxicity — repeated exposure**

Based on the available information, the classification criteria are not fulfilled.

**Mutagenicity**

Based on the available information, the classification criteria are not fulfilled.

**Reproduction toxicity**

Based on the available information, the classification criteria are not fulfilled.

**Carcinogenicity**

Based on the available information, the classification criteria are not fulfilled.

**Aspiration hazard**

**General remarks**

Toxicological data of complete product are not available.  
 The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

**11.2 Information on other hazards**

**11.2.1 Endocrine disrupting properties**

Contains no ingredients with endocrine-disrupting properties.

**11.2.2 Other information**

none

**SECTION 12: Ecological information**

**12.1 Toxicity**

**12.2 Persistence and degradability**

**Behaviour in environment compartments**

No information available.

**Behaviour in sewage plant**

No information available.

**Biological degradability**

No information available.

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### 12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

### 12.4 Mobility in soil

not required

### 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

### 12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

### 12.7 Other adverse effects

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.  
Do not discharge product unmonitored into the environment or into the drainage.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

For recycling, consult waste disposal centres.  
For recycling, consult manufacturer.

**Waste no. (recommended)** 070299

#### Contaminated packaging

Uncontaminated packaging may be taken for recycling.

**Waste no. (recommended)** 150101

## SECTION 14: Transport information

### 14.1 UN number or ID number

**Transport by land according to ADR/RID** not applicable

**Inland navigation (ADN)** not applicable

**Marine transport in accordance with IMDG** not applicable

**Air transport in accordance with IATA** not applicable

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**14.2 UN proper shipping name**

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

**14.3 Transport hazard class(es)**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.4 Packing group**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.5 Environmental hazards**

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Maritime transport in bulk according to IMO instruments**

not applicable

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## SECTION 15: Regulatory information

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

|  |  |
|--|--|
| <b>EEC-REGULATIONS</b>                                   | 2008/98/EG (2000/532/EC ); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707                          |
| - <b>Comment on component parts</b>                      | Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.  |
| - <b>Annex I (REACH)</b>                                 | The product is not subject to Annex I restrictions.  |
| - <b>Annex XIV (REACH)</b>                               | According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances $\geq 0.1\%$ that are subject to authorisation.  |
| - <b>Annex XVII (REACH)</b>                              | According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances $\geq 0.1\%$ that are restricted.<br>According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions. |
| <b>TRANSPORT-REGULATIONS</b>                             | ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2024)   |
| <b>NATIONAL REGULATIONS (DE):</b>                        | Hazardous Substances Ordinance - GefStoffV 21.07.2021; Detergent and Cleaning Agents Act - WRMG; Federal Water Act - WHG; Technical Rule for Hazardous Substances - TRGS: 200, 220, 615, 900, 905.   |
| - <b>Water hazard class</b>                              | 1, conf. AwSV, 18.04.2017  |
| - <b>Decree for case of interference, observe limits</b> | no   |
| - <b>Class. according to TA-Luft</b>                     | 5.2.1.   |
| <b>Storage class (TRGS 510)</b>                          | Storage class 13 (VCI)   |
| - <b>Observe employment restrictions for people</b>      | no   |
| - <b>VOC (2010/75/CE)</b>                                | 0%   |

### 15.2 Chemical safety assessment

not applicable



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## SECTION 16: Other information

### 16.1 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV®/TWA = Threshold limit value – time-weighted average  
TLV®/STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

### 16.2 Other information

Classification procedure

Modified position none

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