

ÖKO-TEC Umweltschutzsysteme GmbH

63579 Freigericht-Horbach

Date printed 21.03.2013, Revision 06.02.2013

Version 01

Page 1 / 7

SECTION 1: Identification of the substance / preparation and of the company

1.1 Product identifier

UNI-SAFE ph-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
 E-mail service@oeko-tec.de

Address enquiries to

Technical information service@oeko-tec.de

Safety Data Sheet service@oeko-tec.de

1.4 Emergency phone

Company +49 (0)6055-9156-0 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms

not applicable

2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC

Hazard symbols none

R-phrases none

The product does not require a hazard warning label in accordance with EC-directives.

2.2 Label elements

Labelling according to Regulation 67/548/EEC or 1999/45/EC

Hazard symbols none

R-phrases none

Special labelling Safety data sheet available on request.

2.3 Other hazards

Physico-chemical hazards No particular hazards known.

Environmental hazards No particular hazards known.

Other hazards none

ÖKO-TEC Umweltschutzsysteme GmbH

63579 Freigericht-Horbach

Date printed 21.03.2013, Revision 06.02.2013

Version 01

Page 2 / 7

SECTION 3: Composition / Information on ingredients

3.1 Product-type:

The product is a mixture.

Range [%]	Substance
40 -< 60	Silicium dioxide CAS: 112926-00-8/7631-86-9, EINECS/ELINCS: 231-545-4 GHS/CLP:
> 30	Sodium polyacrylate CAS: 60323-79-7, EINECS/ELINCS: Polymer GHS/CLP:
< 5	Polyethyleneglycol CAS: 25322-68-3, EINECS/ELINCS: Polymer GHS/CLP:
< 5	Water CAS: 7732-18-5, EINECS/ELINCS: 231-791-2 GHS/CLP:

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.
For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

none

Inhalation

Ensure supply of fresh air.

Skin contact

In the event of symptoms seek for medical treatment.
In case of contact with skin wash off with warm water.
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.

Ingestion

If eye irritation persists: Get medical advice/attention.
not applicable

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.

Extinguishing media that must not be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

Unknown 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 with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

ÖKO-TEC Umweltschutzsysteme GmbH

63579 Freigericht-Horbach

Date printed 21.03.2013, Revision 06.02.2013

Version 01

Page 3 / 7

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 production of dust.

Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage
7.1 Precautions for safe handling

Avoid the formation and deposition of dust.

Wash hands before breaks and after work.

Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

not applicable

Store in a dry place.

The product is hygroscopic.

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 (GB)**

Range [%]	Substance
40 -< 60	Silicium dioxide
	CAS: 112926-00-8/7631-86-9, EINECS/ELINCS: 231-545-4
	Long-term exposure: 2.4 mg/m ³ , respirable dust; inhalable dust - 6 mg/m ³
> 30	Sodium polyacrylate
	CAS: 60323-79-7, EINECS/ELINCS: Polymer
	Long-term exposure: 0,05 mg/m ³ , alveolar ducts super-absorbent polymer dust (diameter <10 microns)
< 5	Polyethyleneglycol
	CAS: 25322-68-3, EINECS/ELINCS: Polymer
	Long-term exposure: 1000 mg/m ³ , Germany

8.2 Exposure controls

Additional advice on system design Ensure adequate ventilation on workstation.
To pay attention to dust limit value (ACGIH-2011: 10 mg/m³ particle inhalable; 3 mg/m³ particle respirable).

Eye protection Safety glasses.

Hand protection The details concerned are recommendations. Please contact the glove supplier for further information.
Butyl rubber, >120 min (EN 374).

Skin protection not applicable

Other Avoid contact with eyes and skin.
Do not inhale dust.

Respiratory protection not applicable

Thermal hazards not applicable

Delimitation and monitoring of the environmental exposition not determined

ÖKO-TEC Umweltschutzsysteme GmbH
63579 Freigericht-Horbach

Date printed 21.03.2013, Revision 06.02.2013

Version 01

Page 4 / 7

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	powder
	> 10 µm
Color	light green
Odor	odourless
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	6-7
Boiling point [°C]	not determined
Flash point [°C]	not applicable
Flammability [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not applicable
Density [g/ml]	not determined
Bulk density [kg/m ³]	> 360
Solubility in water	insoluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not determined
Autoignition temperature [°C]	> 440 (DIN 51794)
Decomposition temperature	240

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

Strong heating, because the thermal decomposition starts from 240°C.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

ÖKO-TEC Umweltschutzsysteme GmbH
63579 Freigericht-Horbach

Date printed 21.03.2013, Revision 06.02.2013

Version 01

Page 5 / 7

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Range [%]	Substance
40 -< 60	Silicium dioxide, CAS: 112926-00-8
	LD50, oral, Rat: > 15000 mg/kg (IUCLID).
	LC0, inhalative, Rat: > 0,139 mg/l 4h (IUCLID).
	LD50, dermal, Rabbit: > 2000 mg/kg (IUCLID).
> 30	Sodium polyacrylate, CAS: 60323-79-7
	LD50, oral, Rat: > 5000 mg/kg.
	LD50, dermal, Rat: > 2000 mg/kg.

Serious eye damage/irritation	not determined
Skin corrosion/irritation	not determined
Respiratory or skin sensitisation	not determined
Specific target organ toxicity — single exposure	not required
Specific target organ toxicity — repeated exposure	not required
Mutagenicity	not required
Reproduction toxicity	not required
Carcinogenicity	not required
General remarks	

Toxicological data of complete product are not available.
No classification on the basis of the calculation procedure of the preparation directive.
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.

SECTION 12: Ecological information

12.1 Toxicity

Range [%]	Substance
40 -< 60	Silicium dioxide, CAS: 112926-00-8
	EC0, (96h), Brachidanio rerio: > 10000 mg/l (IUCLID).
< 5	Polyethyleneglycol, CAS: 25322-68-3
	LC50, (96h), Cyprinus carpio: > 100 mg/l (OECD 203).
	EC50, (48h), Daphnia magna: > 100 mg/l (OECD 202).
	EC10, Pseudomonas putida: 14730 mg/l (Lit.).

12.2 Persistence and degradability

Behaviour in environment compartments	not required
Behaviour in sewage plant	not required
Biological degradability	not required

12.3 Bioaccumulative potential

not required

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.

ÖKO-TEC Umweltschutzsysteme GmbH

63579 Freigericht-Horbach

Date printed 21.03.2013, Revision 06.02.2013

Version 01

Page 6 / 7

12.6 Other adverse effects

None known.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

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

See SECTION 14.2 in accordance with UN shipping name

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)

See SECTION 14.2 in accordance with UN shipping name

14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

14.5 Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

ÖKO-TEC Umweltschutzsysteme GmbH

63579 Freigericht-Horbach

Date printed 21.03.2013, Revision 06.02.2013

Version 01

Page 7 / 7

SECTION 15: Regulatory information

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

EEC-REGULATIONS	1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
- Observe employment restrictions for people	no
- VOC (1999/13/CE)	not applicable

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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
 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
 ELINCS = European List of Notified Chemical Substances
 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
 LC50 = Lethal concentration, 50%
 LD50 = Median lethal dose
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships
 PBT = Persistent, Bioaccumulative and Toxic substance
 PNEC = Predicted No-Effect Concentration
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
 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

Customs Tariff	not determined
Modified position	none

Copyright: Chemiebüro®