



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

Product identifier

UNI-SAFE

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

Universal Absorbent

Company

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Technical information

service@oeko-tec.de

Safety Data Sheet

service@oeko-tec.de

SECTION 2: Hazards identification

Emergency Overview

Appearance, Odor:

powder
 > 10 µm, light green, odourless

OSHA Regulatory Status

This product is classified as non-hazardous in accordance to OSHA Standard 29 CFR 1910.1200.

Potential health effects

No disposal of respirabel dust if used as directed.

Potential environmental effects

No particular hazards known.

SECTION 3: Composition / Information on ingredients

The product is a mixture.

Range [%]	Substance
<5	Water CAS: 7732-18-5
<5	Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated CAS: 25322-68-3
20 - <40	Cristobalite CAS: 14464-46-1
10 - <20	Kieselguhr, soda ash flux-calcined CAS: 68855-54-9

Comment on component parts

No dangerous components.
 Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.

SECTION 4: First aid measures

Description of first aid measures

Take off contaminated clothing and wash before reuse.

Inhalation

Ensure supply of fresh air.
 In the event of symptoms seek for medical treatment.

Skin contact

When in contact with the skin, clean with soap and 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.
 If eye irritation persists: Get medical advice/attention.

Ingestion

In the event of symptoms seek for medical treatment.
 Rinse out mouth and give plenty of water to drink.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.



SECTION 5: Fire-fighting measures

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.
Special exposure hazards arising from the substance or preparation itself or combustion products	Risk of formation of toxic pyrolysis products.
Special protective equipment for firefighters	Use self-contained breathing apparatus.
Additional information	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Avoid dust formation.
Environmental precautions	Do not discharge into the drains/surface waters/groundwater.
Methods and material for containment and cleaning up	Take up mechanically. Avoid raising dust. Dispose of absorbed material in accordance with the regulations.

SECTION 7: Handling and storage

Precautions for safe handling	No disposal of respirable dust if used as directed. Avoid the formation and deposition of dust.
Advice on protection against fire and explosion	The product is not combustible.
Requirements for storage rooms and vessels	Keep only in original container. Prevent penetration into the ground.
Advice on storage compatibility	Do not store together with food and animal food/diet.
Further information on storage conditions	Store in a dry place. The product is hygroscopic.

SECTION 8: Exposure controls / personal protection

Additional advice on system design	Ensure adequate ventilation on workstation.
Ingredients with occupational exposure limits to be monitored (US)	

Range [%]	Substance
20 - <40	Cristobalite
	CAS: 14464-46-1, EINECS/ELINCS: 238-455-4
	Long-term exposure: 0,05 mg/m³, NIOSH
10 - <20	Kieselguhr, soda ash flux-calcined
	CAS: 68855-54-9, EINECS/ELINCS: 272-489-0
	Long-term exposure: 0,3 mg/m³

Respiratory protection	Not required under normal conditions.
Hand protection	butyl rubber, > 120 min (EN 374) The details concerned are recommendations. Please contact the glove supplier for further information.
Eye protection	Safety glasses.
Skin protection	Protective clothing.
General protective measures	Avoid contact with eyes and skin. Do not inhale dust.
Hygiene measures	Wash hands before breaks and after work. Use barrier skin cream.
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.



SECTION 9: Physical and chemical properties

Form	powder > 10 µm
Color	light green
Odor	odourless
pH-value	8 (aqueous suspension)
pH-value [1%]	not applicable
Boiling point [°C]	not applicable
Flash point [°C]	not applicable
Flammability (solid, gas) [°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]	> 400
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 [°C]	240

SECTION 10: Stability and reactivity

Reactivity	No dangerous reactions known if used as directed.
Chemical stability	The product is stable under standard conditions.
Possibility of hazardous reactions	No hazardous reactions known.
Conditions to avoid	See SECTION 7.2.
Incompatible materials	not required
Hazardous decomposition products	No hazardous decomposition products known.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Range [%]	Substance
<5	Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated, CAS: 25322-68-3 LD50, oral, Rat: 15000 mg/kg.

Serious eye damage/irritation	Non-irritant.
Skin corrosion/irritation	Non-irritant.
Respiratory or skin sensitisation	Non-sensitizing.
Specific target organ toxicity — single exposure	none
Specific target organ toxicity — repeated exposure	none

Mutagenicity	There is no evidence of any mutagenic effects.
Reproduction toxicity	There is no evidence of any reproductive toxicity effects.
Carcinogenicity	There is no evidence of any carcinogenic effects.
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

Toxicity

Range [%]	Substance
<5	Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated, CAS: 25322-68-3
	LC50, (96h), Leuciscus idus: > 500 mg/l.

Behaviour in environment compartments	not required
Behaviour in sewage plant	not required
Bacteria toxicity	not required
Biological degradability	not required
COD	not required
BOD 5	not required
AOX-advice	No dangerous components.
2006/11/EC:	not applicable
Other adverse effects	None known. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 13: Disposal considerations

Product	For recycling, consult waste disposal centres. For recycling, consult manufacturer.
Contaminated packaging	Untcontaminated packaging may be taken for recycling.
RCRA Hazard Class (40CFR 261)	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

SECTION 14: Transport information

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"
DOT Road Shipment Information (49 CFR)	NOT CLASSIFIED AS "DANGEROUS GOODS"



SECTION 15: Regulatory information

US Regulations

National regulations

29 CFR 1910.1200, ANSI Z400.1-2010, OSHA-PEL, ACGIH-TLV, NTP, IARC, SARA Title III, NFPA, TSCA, California - Prop. 65

- SARA, 302

This product does not contain any ingredients regulated under this list.

- SARA, 311

This product does not contain any ingredients regulated under this list.

- SARA, 313

This product does not contain any ingredients regulated under this list.

- CA Proposition 65

No components require labeling under California Proposition 65.

- TSCA

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.

- FDA

not required

American Conference of Governmental Industrial Hygienists - ACGIH

ACGIH: yes - contains crystalline silica

International Agency for Research on Cancer IARC

IARC: yes - contains crystalline silica.

National Toxicology Program - NTP

This product is named NTP - National Toxicology Program (contains Silica).

HAP-VOC

not applicable

Transport-regulations

DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).

Other Right to Know Laws

EC 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

Hazard pictograms

none

Hazard statements

Labelling

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

Hazard symbols

none

R-phrases

none

S-phrases

none

Special labelling

none



SECTION 16: Other information

Observe employment restrictions for people no

HMIS Ratings

HEALTH	0	0 - Minimal Hazard
FLAMMABILITY	0	0 - Minimal Hazard
REACTIVITY	0	0 - Minimal Hazard
PERSONAL PROTECTION	N	No special measures necessary.

NFPA Ratings

0	0	0
0	0	0
-	-	-

Modified position

TOP, FLAMMABILITY: 0 - Minimal Hazard
LEFT, HEALTH: 0 - Minimal Hazard RIGHT, REACTIVITY: 0 - Minimal Hazard
BOTTOM, SPECIAL NOTICE: -
SECTION 4 been added: If eye irritation persists: Get medical advice/attention.
SECTION 4 been added: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
SECTION 4 been added: When in contact with the skin, clean with soap and water.
SECTION 4 been added: Take off contaminated clothing and wash before reuse.
SECTION 7 been added: Prevent penetration into the ground.
SECTION 7 been added: Do not store together with food and animal food/diet.
SECTION 8 been added: Protective clothing.
SECTION 8 been added: Not required under normal conditions.
SECTION 8 been added: Comply with applicable environmental regulations limiting discharge to air, water and soil.
SECTION 11 been added: There is no evidence of any mutagenic effects.
SECTION 11 been added: There is no evidence of any reproductive toxicity effects.
SECTION 11 been added: There is no evidence of any carcinogenic effects.
SECTION 12 been added: Accumulation in organisms is not expected.
SECTION 15 been added: No components require labeling under California Proposition 65.

Key / Legende:

ACGIH = American Conference of Governmental Industrial Hygienists; CAS = Chemical Abstracts Service; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; CPR = Controlled Products Regulations; DOT = Department of Transportation; EINCES = European Inventory of Existing Commercial Chemical Substances; EPA = Environmental Protection Agency; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit; TSCA = Toxic Substances Control Act

