Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name :	Schlüter®-BEKOTEC-SLS		
Revision Date :	08.05.2015	**Version (Revision) :**	1
Print date :	01.03.2017		

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

1.1 Product identifier

Trade name: Schlüter®-BEKOTEC-SLS

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

Relevant identified uses

Cement based levelling mortar.

1.3 Details of the supplier of the safety data sheet

Supplier:

	Schlüter-Systems KG
Street :	Schmölestr. 7
Postal code/city :	D-58640 Iserlohn
Telephone :	+49 (0) 2371-971-0
Telefax :	+49 (0) 5425-801-111
Information contact :	sdb@schlueter.de

1.4 Emergency telephone number

out of office hours: +49 (0) 2371-971-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Adverse physicochemical, human health and environmental effects

No other hazards

2.2 Label elements

Symbols

Warning

Hazard Statements

H319	Causes serious eye irritation.

Precautionary Statements

P261	Avoid breathing dust.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.

Special Provisions

None

P102	Keep out of reach of children.
P332+P313	If skin irritation occurs: Get medical advice/attention.

Special provisions according to Annex XVII of REACH and subssequent amendments

None

2.3 Other hazards

vPvB Substances: None - PBT Substances: None

Other hazards

No other hazards

See at paragraph 11 the additional information concerning crystalline silica

SECTION 3: Composition / information on ingredients

3.1 Substances

N.A.

3.2 Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and corresponding classification:

>= 50% - < 75% free crystalline silica (Ø >10 µ)

CAS: 14808-60-7, EC: 238-878-4

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

>= 1% - < 2.5% Portland cement, Cr(VI) < 2 ppm

CAS: 65997-15-1, EC: 266-043-4

3.8/3 STOT SE 3 H335

3.2/2 Skin Irrit. 2 H315

3.3/1 Eye Dam. 1 H318

766 ppb vinyl acetate

REACH No.: 01-2119471301-50-0005, Index number: 607-023-00-0, CAS: 108-05-4, EC: 203-545-4

2.6/2 Flam. Liq. 2 H225

4.1/C3 Aquatic Chronic 3 H412

3.6/2 Carc. 2 H351

3.1/4/Inhal Acute Tox. 4 H332

3.8/3 STOT SE 3 H335

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of skin contact

Wash with plenty of water and soap.

In case of eyes contact

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion

Wash the mouth thoroughly and drink plenty of water. In case of disease consult a physician immediately and present this safety-data sheet.

In case of Inhalation

Remove casualty to fresh air and keep warm and at rest.

4.2 Most important symptoms and effects, both acute and delayed

No specific hazards are encountered under normal product use.
This preparation contains cement. Contact between cement and body fluids (e.g. sweat and eye fluids) may cause irritation or burns.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment
(see paragraph 4.1)

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2)

Extinguishing media which must not be used for safety reasons

None in particular.

5.2 Special hazards arising from the substance or mixture

The product does not present a fire hazard.

5.3 Advice for firefighters

Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3 Methods and material for containment and cleaning up

Rapidly recover the product, wearing protective clothing.
Scoop into containers and seal for disposal.
After the product has been recovered, rinse the area and materials involved with water.
Wash with plenty of water.

6.4 Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes and exposure to high dust concentration.
Avoid powder development and deposit
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
Fine dust may form explosive mixture with air. Keep away from open flames, heat and sparks.
Do not remove shrink film in hazardous locations (because of risk of static charging/discharge)

7.2 Conditions for safe storage, including any incompatibilities

Always keep the containers tightly closed.
Incompatible materials:
Keep away from water or from damp surroundings.
Instructions as regards storage premises:
Adequately ventilated premises.

7.3 Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

free crystalline silica (Ø >10 µ) - CAS: 14808-60-7
ACGIH - LTE mg/m3(8h): 0.025 mg/m3 - Notes: A2 (R) - Pulm fibrosis, lung cancer
Portland cement, Cr(VI) < 2 ppm - CAS: 65997-15-1
ACGIH - LTE mg/m3(8h): 1 mg/m3 - Notes: A4, (E,R) - Pulm func, resp symptoms, asthma
vinyl acetate - CAS: 108-05-4
AGW - LTE mg/m3: 18 mg/m3, 5 ppm
EU - LTE mg/m3(8h): 17,6 mg/m3, 5 ppm - STE mg/m3: 35,2 mg/m3, 10 ppm - Notes: 15 minutes average value
ACGIH - LTE mg/m3(8h): 10 ppm - STE mg/m3: 15 ppm - Notes: A3 - URT, eye and skin irr, CNS impair
DNEL Exposure Limit Values

vinyl acetate - CAS: 108-05-4
Worker Professional: 0.42 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 35.2 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 35.2 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 17.6 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 17.6 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
PNEC Exposure Limit Values
vinyl acetate - CAS: 108-05-4
Target: Fresh Water - Value: 0.016 mg/l
Target: Marine water - Value: 0.0016 mg/l
Target: MAP2 - Value: 0.126 mg/l
Target: Freshwater sediments - Value: 0.067 mg/kg
Target: Marine water sediments - Value: 0.0067 mg/kg
Target: Soil (agricultural) - Value: 0.0035 mg/kg

8.2 Exposure controls

Eye protection:
Safety goggles.
Not needed for normal use. Anyway, operate according good working practices.
Protection for skin:
No special precaution must be adopted for normal use.
Protection for hands:
Not needed for normal use.
Respiratory protection:
Not needed for normal use.
In case of insufficient ventilation use mask with B type filters (EN 14387).
Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.
Thermal Hazards:
None
Environmental exposure controls:
None

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	powder
Colour:	grey
Odour:	slight, typical of cement
Odour threshold:	N.A.
pH:	N.A.
pH(water dispersion,10%):	11
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	==°C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits	N.A.
Vapour density:	N.A.
Flash point:	==°C
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	1.5 g/cm³ (23°C)
Vapour density (air=1):	N.A.
Solubility in water:	partly soluble
Solubility in oil:	insoluble
Viscosity:	N.A.
Auto-ignition temperature:	==°C
Explosion limits(by volume):	==

Decomposition temperature:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Explosive properties:	==
Oxidizing properties:	N.A.

9.2 Other information

Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

SECTION 10: Stability and reactivity

10.1 Reactivity
Stable under normal conditions

10.2 Chemical stability
Stable under normal conditions

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid
Stable under normal conditions

10.5 Incompatible materials
None in particular.

10.6 Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Route(s) of entry:
Ingestion: Yes
Inhalation: Yes
Contact: No

Toxicological information related to the product
There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information of the mixture
N.A.

Toxicological information of the main substances found in the mixture
vinyl acetate - CAS: 108-05-4
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 7440 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 15.8 mg/l - Duration: 4h

Corrosive/Irritating Properties:
Skin:
The product can cause irritation by contact.
Eye:
The product can cause irritation by contact

Sensitizing Properties
No effects are known.

Cancerogenic Effects
The IARC (International Agency for Research on Cancer) believes that the crystalline silica inhaled at the workplace can cause lung cancer in man.
However, it also points out that the cancer effect depends on the silica characteristics and on the biological-physical condition of the environment.

There is a large amount of information in support of the fact that increased risk of cancer is limited to persons suffering from silicosis.

In the current situation of studies, protection of workers from silicosis can be ensured by respecting the exposure limit values.

Mutagenic Effects:
No effects are known.
Teratogenic Effects
No effects are known.
Additional Information
Contains cement. Cement gives a strong alkaline reaction with water and body fluids (e.g. sweat and eye fluids), therefore the contact with skin and eyes should be carefully avoided.
If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:
a) acute toxicity
b) skin corrosion/irritation
c) serious eye damage/irritation
d) respiratory or skin sensitisation
e) germ cell mutagenicity
f) carcinogenicity
g) reproductive toxicity
h) STOT-single exposure
i) STOT-repeated exposure
j) aspiration hazard

SECTION 12: Ecological information

12.1 Toxicity
Adopt good industrial practices, so that the product is not released into the environment.
Not available data on the mixture
Biodegradability: not readily biodegradable
Biodegradability: no data available on the preparation.
vinyl acetate - CAS: 108-05-4
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 12.6 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 12.7 mg/l - Duration h: 72
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish = 0.16 mg/l - Notes: 34 d
Endpoint: NOEC - Species: Daphnia = 0.317 mg/l - Notes: 21 d

12.2 Persistence and degradability
N.A.

12.3 Bioaccumulative potential
N.A.

12.4 Mobility in soil
N.A.

12.5 Results of PBT and vPvB assessment
List of substances dangerous for the environment and corresponding classification:
299 ppm tin sulphate
CAS: 7488-55-3
R50 Very toxic to aquatic organisms.
EC50 (Algae): 0.2 mg/l (72 hr)
766 ppb neodecanoato di vinile
CAS: 51000-52-3
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
vPvB Substances: None – PBT Substances: None

12.6 Other adverse effects
Not available data on the mixture.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.
91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

Disposal of hardened product (EC waste code) : 17 01 01
Disposal of not hardened product (EC waste code) : 17 01 01
The suggested European waste code is just based on the composition of the product.
According to the specific process or application field a different waste code may be necessary.

SECTION 14: Transport information

14.1 UN number

UN Number: ==

14.2 UN proper shipping name

N.A.

14.3 Transport hazard class(es)

Rail/Road(RID/ADR): no dangerous good
Air (ICAO/IATA): no dangerous good
Sea (IMO/IMDG): no dangerous good
N.A.

14.4 Packing group

N.A.

14.5 Environmental hazards

Marine pollutant: No
N.A.

14.6 Special precautions for user

N.A.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

N.A.
No

SECTION 15: Regulatory information

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)
Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Dir. 2006/8/EC
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 453/2010 (Annex I)
Regulation (EU) n. 286/2011 (ATP 2 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:
Restriction 40
Restrictions related to the substances contained:
No restriction.

REACH Regulation (1907/2006) ¿ All. XVII

The product contains Cr (VI) under the limitse established by annex. XVII pt.47. Respect the duration according to the information described on the packaging

Directive n° 1999/45/CE (Dangerous Preparation) an d s.m.i.
Legislative Decree no. 81 of the 9th of April 2008 Title XI "Dangerous substances - Chapter I - Protection against chemical agents"
Directive 2000/39/CE and s.m.i. (Professional threshold limit)
Legislative Decree no. 152 of the 3rd of April 2006 and subsequent modifications and additions. (Environmental regulations)
Directive 105/2003/CE (Seveso III): N.A.
ADR Agreement ¿ IMDG Code ¿ IATA Regulation
VOC (2004/42/EC) : N.A. g/l

Social Dialogue on Respirable Crystalline Silica
On April 26, 2006 was signed a multi-sector social dialogue, based on a "Guide to Good Practices", on workers health protection who are in contact with products containing crystalline silica.
The text of the agreement published in G.U. European Union (2006 / C 279/02) and the "Guide to Good Practices", with attachments, are available on www.nepsi.eu website, they offer guidelines and useful information for handling products containing respirable crystalline silica.

15.2 Chemical Safety Assessment

No

SECTION 16: Other information

Text of phrases referred to under heading 3:
H335 May cause respiratory irritation.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H225 Highly flammable liquid and vapour.
H412 Harmful to aquatic life with long lasting effects.
H351 Suspected of causing cancer.
H332 Harmful if inhaled.
This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU.

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources
NIOSH - Registry of toxic effects of chemical substances
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX'S - Dangerous properties of industrial materials
Istituto Superiore di Sanità - Inventario Nazionale Sostanze Chimiche
The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the ¿International Air Transport Association¿ (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI	Technical Instructions by the ¿International Civil Aviation Organization¿ (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.

LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
OEL:	European threshold limit value
VLE:	Threshold Limiting Value.
WGK:	German Water Hazard Class.
TSCA:	United States Toxic Substances Control Act Inventory
DSL:	DSL - Canadian Domestic Substances List