

SCHÖNOX FPL PLUS**SECTION 1: Identification of the substance/mixture and of the company/undertaking****Product identifier**

- Product name** : SCHÖNOX FPL PLUS
Product description : Levelling compound based on cement

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

Summary / Conclusion: Not yet complete.

Details of the supplier of the safety data sheet

- Manufacturer/ Supplier** : SCHÖNOX GmbH
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Germany

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- e-mail address of person responsible for this SDS** : Ms. Hericks
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- Emergency telephone number** : +49-170-2255126

National advisory body/Poison Centre

- Germany** : +49 (0) 30 192 40 (Poison Center Berlin)
Austria : +43 (0) 1 406 43 43 (VIZ)
Switzerland : +41 (0) 44 251 51 51 (STIZ)

SECTION 2: Hazards identification**Classification of the substance or mixture**

- Product definition** : Mixture

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

- Classification** : Xi; R41, R37/38
Human health hazards : Risk of serious damage to eyes. Irritating to respiratory system and skin.

Label elements

- Hazard symbol or symbols** :



- Indication of danger** : Irritant
- Risk phrases** : R41- Risk of serious damage to eyes.
R37/38- Irritating to respiratory system and skin.
- Safety phrases** : S2- Keep out of the reach of children.
S22- Do not breathe dust.
S24/25- Avoid contact with skin and eyes.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39- Wear suitable gloves and eye/face protection.
- Supplemental label elements** : Not applicable.

Other hazards

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SECTION 2: Hazards identification

Other hazards which do not result in classification : Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

SECTION 3: Composition/information on ingredients

Substance/mixture : Mixture

Chemical characterisation : Cement less on cromate according to REACH, calcium sulphate, mineral fillers and additives.

Ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Silica, crystalline - quartz	EC: 238-878-4 CAS: 14808-60-7	25 - 50	Not classified.	Not classified.	[2]
Cement, alumina, chemicals	EC: 266-045-5 CAS: 65997-16-2	2.5 - 10	Xi; R41, R37/38	Not classified.	[1]
Cement, portland, chemicals	EC: 266-043-4 CAS: 65997-15-1	2.5 - 10	Xi; R41, R37/38	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335i	[1] [2]
calcium sulfate	EC: 231-900-3 CAS: 7778-18-9	2.5 - 10	Not classified.	Not classified.	[2]

Type [1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if available, are listed in Section 8.

See Section 16 for the full text of the R phrases or H statements declared above.

SECTION 4: First aid measures

Description of first aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Most important symptoms and effects, both acute and delayed

Potential acute health effects

- Eye contact** : Severely irritating to eyes. Risk of serious damage to eyes.
- Inhalation** : Irritating to respiratory system.
- Skin contact** : Irritating to skin.
- Ingestion** : Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

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SECTION 4: First aid measures

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: Firefighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

Recommended: alcohol-resistant foam, CO₂, powders, water spray.
- Unsuitable extinguishing media** : None known.

Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

Environmental precautions

- : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

Methods and materials for containment and cleaning up

- : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Preferably clean with a detergent. Avoid using solvents.

Reference to other sections

- : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

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SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing dust. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
- Specific end use(s)**
- Recommendations** : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Control parameters

Occupational exposure limits

Ingredient name

Quartz (SiO₂)

Exposure limit values

TRGS900 AGW (Germany).

Advice: Activities or procedures at which employees are exposed by alveolar dust of crystalline silica in the form of quartz and cristobalite are in Germany subject of the national regulation TRGS 559 and TRGS 906 and should be evaluated accordingly.

Comply with occupational limit values for dust:

: 3 mg/m³ Form: Respirable dust

Schichtmittelwert: 10 mg/m³ Form: Total dust

Cement, portland, chemicals

TRGS900 AGW (Germany, 8/2010).

TWA: 5 mg/m³ 8 hour(s). Form: inhalable dust

calcium sulfate

TRGS900 AGW (Germany, 8/2010).

TWA: 6 mg/m³ 8 hour(s). Form: alveolar fraction

Quartz (SiO₂)

GKV_MAK (Austria, 9/2007).

AMV: 0.15 mg/m³ 1 hour(s). Form: respirable dust

calcium sulfate

GKV_MAK (Austria, 9/2007).

TWA: 5 mg/m³ 8 hour(s). Form: respirable fraction

PEAK: 10 mg/m³, 2 times per shift, 60 minute(s). Form: respirable fraction

Quartz (SiO₂)

SUVA (Switzerland, 1/2009). Notes: not temporary

TWA: 0.15 mg/m³ 8 hour(s). Form: respirable dust

Limestone

SUVA (Switzerland, 1/2009).

TWA: 10 mg/m³ 8 hour(s). Form: inhalable fraction

SUVA (Switzerland, 1/2009). Notes: not temporary

TWA: 3 mg/m³ 8 hour(s). Form: respirable dust

General OEL for total dust: 10 mg/m³ for the inhalable fraction; 3 mg/m³ for the respirable (alveolar) fraction

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SECTION 8: Exposure controls/personal protection

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.
- Derived effect levels**
No DELs available.
- Predicted effect concentrations**
No PECs available.
- Exposure controls**
- Appropriate engineering controls** : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.
Dry sanding, flame cutting and/or welding of the dry substrate can give rise to dust and/or hazardous fumes. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.
- Individual protection measures**
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Take off contaminated clothing and wash before reuse.
- Eye/face protection** : Use safety eyewear designed to protect against splash of liquids.
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 4-8 hours (breakthrough time): nitrile gloves
Company recommendation from KCL GmbH, Germany:
Gloves type: DERMATRIL 740; layer thickness: 0,11 mm; method: DIN EN 374
- Skin protection** : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.
Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.
- Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Recommended: disposable particulate mask (FFP2)
- Environmental exposure controls** : No special measures required. Do not allow to enter drains or watercourses.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

- Physical state** : Solid. [Powder.]
- Colour** : Grey. [Dark]
- Odour** : Characteristic. [Slight]
- Odour threshold** : Not determined.
- pH** : Not available.
- Melting point/freezing point** : Not available.
- Initial boiling point and boiling range** : Not available.
- Flash point** : [Product does not sustain combustion.]

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SECTION 9: Physical and chemical properties

Evaporation rate	: Not determined.
Flammability (solid, gas)	: Not determined.
Burning time	: Not determined.
Burning rate	: Not determined.
Explosion limits	: Not available.
Vapour pressure	: Not determined.
Vapour density	: Not determined.
Density	: 1.21 g/cm ³ [20°C]
Solubility(ies)	: Not available.
Partition coefficient: n-octanol/water	: Not determined.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not determined.
Viscosity	: Not available.
Explosive properties	: Not determined.
Oxidising properties	: Not determined.
Other information	: No additional information.

SECTION 10: Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: Stable under recommended storage and handling conditions (see section 7).
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Information on toxicological effects

There are no data available on the preparation itself. The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Acute toxicity	: Not available.
Irritation/Corrosion	: No known significant effects or critical hazards.
Sensitisation	: No known significant effects or critical hazards.
Mutagenicity	: Not available.
Carcinogenicity	: Not available.
Reproductive toxicity	: Not available.
Teratogenicity	: Not available.

Potential acute health effects and Information on the likely routes of exposure

Eye contact	: Severely irritating to eyes. Risk of serious damage to eyes.
Inhalation	: Irritating to respiratory system.
Skin contact	: Irritating to skin.
Ingestion	: Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

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SECTION 11: Toxicological information

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

- Evaluation** : No known effect according to our database.

Other information

- General** : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

SECTION 12: Ecological information

Ecotoxicity

There are no data available on the preparation itself.
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

Ingredient name	Result	Species	Exposure
calcium sulfate	Acute EC50 3200000 ug/L Fresh water	Algae - Navicula seminulum	96 hours
	Acute LC50 >1910000 ug/L Fresh water	Crustaceans - Ceriodaphnia dubia - <24 hours	48 hours
	Acute LC50 >1970000 ug/L Fresh water	Fish - Pimephales promelas - 1 to 7 days	96 hours
	Chronic NOEC 360 mg/L Fresh water	Daphnia - Daphnia magna - Neonate - <24 hours	3 weeks

- Evaluation** : Not available.

Persistence and degradability

- Evaluation** : Not available.

Bioaccumulative potential

Not available.

Mobility in soil

- Soil/water partition coefficient (K_{oc})** : Not determined.

- Mobility** : There are no data available on the preparation itself.

Results of PBT and vPvB assessment

- PBT** : Not applicable.
- vPvB** : Not applicable.

- Other adverse effects** : No known significant effects or critical hazards.

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SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

Waste treatment methods

- Methods of disposal** : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.
- European waste catalogue (EWC)** : The European Waste Catalogue classification of this product, when disposed of as waste, is:
17 01 07 mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06.
If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.
- Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
Proper shipping name	-	-	-
Classes	-	-	-
Label			
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional information	-	-	-

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Substances of very high concern : None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

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SECTION 15: Regulatory information

National regulations

- Biocidal Products Directive** : Not applicable.
- Storage code** : Not available.
- Hazardous incident ordinance** : Not applicable.
- Hazard class for water AOX** : 1 Appendix No. 4
: The product does not contain organically bound halogens which could lead to an AOX value in waste water.
- Switzerland VOC content** : Liberated.

Additional information

- GISCODE** : ZP1 - Cement based product, less on cromate (Cr6+ < 2 ppm)
- EMICODE** : EC1 R - very low-emission, regulated according to GEV

- Chemical Safety Assessment** : No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

- Abbreviations and acronyms** : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Eye Dam. 1, H318	Calculation method

- Full text of abbreviated H statements** : H315 Causes skin irritation.
H318 Causes serious eye damage.
H335i May cause respiratory irritation.

- Full text of classifications [CLP/GHS]** : Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2
STOT SE 3, H335i SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): INHALATION [Respiratory tract irritation] - Category 3

- Full text of abbreviated R phrases** : R41- Risk of serious damage to eyes.
R37/38- Irritating to respiratory system and skin.

- Full text of classifications [DSD/DPD]** : Xi - Irritant

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☑ Indicates information that has changed from previously issued version.

SCHÖNOX FPL PLUS**SECTION 16: Other information**

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IMPORTANT NOTE: The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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