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

1.1 Product identifier

LITHURIN PROTEC

Product number: 1102, 1121

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

Stain protection

1.3 Details of the supplier of the safety data sheet

AB Lindec

Address:	Box 5, 421 21 Västra Frölunda, Sweden	*E-mail:*	info@lindec.se
Telephone:	+46 (0)31-29 88 10	*Web:*	www.betonggolv.com
Fax:	+46 (0)31-29 88 76	*Contact:*	Hans-Christian Voeler

1.4 Emergency telephone number

Swedish Poisons Information Centre +46 (0)8-33 12 31 (daytime)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008 (CLP) [1)]

Skin Corr. 1A; H314
Eye Dam. 1; H318

[1)] See Section 16 for complete phrases

2.2 Label elements

Hazard pictograms:

Signal word: DANGER

Hazard statements:

H314 Causes severe skin burns and eye damage.

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor/physician.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Name	***CAS No.***	***EC No.***	***REACH Reg. No.***	***Conc. %***	***Classification (CLP)[1)]:***
Silanetriol, methyl-, potassium salt	31795-24-1	250-807-9	-.	10-15	Skin Corr. 1A; H314
Lithium hydroxy(oxo)silanolate	12627-14-4	235-730-0	-	1-10	Eye Irrit. 2; H319

[1)] See Section 16 for complete phrases

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

If unconscious place in stable sideways position. Protect against loss of body heat. If breathing stops, administer artificial respiration. Seek medical advice immediately and clearly identify substance.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower for 10-15 minutes. Remove contaminated clothes at once. Wash off with plenty of water or water and soap immediately for 10-15 minutes. In serious cases, use emergency shower immediately. Seek medical advice.

Eye contact

Rinse immediately with plenty of water for 10-15 minutes. Keep eyelids well open to rinse the whole eye surface and eyelids with water. Seek medical advice immediately. Continue to bathe eyes during transport to medical practitioner.

Ingestion

Rinse mouth. Do NOT induce vomiting. Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data.

4.3 Indication of any immediate medical attention and special treatment needed

Medical checks necessary up to a latency period of at least 24 hours. Chemical burns must be treated by a physician. When seeking medical attention, show this safety data sheet to the physician.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

No data.

5.3 Advice for firefighters

Use respiratory protection independent of recirculated air. Product does not burn.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Avoid contact with eyes and skin. Avoid inhaling mists and vapours. Keep unprotected persons away.

6.2 Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth).

6.3 Methods and material for containment and cleaning up

Absorb with a liquid binding material such as diatomaceous earth and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid breathing spray. Wear suitable personal protection equipment (see Section 8). Always practice good industrial hygiene. When handling; do not eat, drink or smoke. Wash hands before breaks and after work. Do not wear contaminated clothing or shoes. Ensure that eyewash stations and safety showers are close to the workstation location.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool and well ventilated areas. Keep only in original container. Do not store in containers made of aluminium or other light metals. Avoid contact with acids.

7.3 Specific end use(s)

Not relevant.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None.

8.2 Exposure controls

Appropriate engineering controls

Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Provide easy access to water supply and eye wash facilities. Avoid contact with eyes and skin. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tight fitting protective goggles required.

Hand protection

Gloves are required at all times when handling the material. The selection of appropriate gloves not only depends on the material, but also on other quality characteristics, and may vary depending on the manufacturer. Please observe information from your glove supplier in terms of permeability and breakthrough time.
Recommendation: Protective gloves made of 5-layer laminate of PE and EVOH (4H), Protective gloves coated with neoprene, Protective gloves made of nitrile rubber or Protective gloves made of fluorinated rubber. Gloves suitable for up to 480 minutes use.

Skin protection

Wear suitable protective clothing as protection against splashing or contamination.

Respiratory protection

In case of insufficient ventilation or spraying use gas filter mask (gas mask filter ABEK).

Environmental exposure controls

Prevent material from entering surface waters and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Vätska, transparent/vit	**Vapour pressure:**	Not measured
Odour:	Not measured	**Vapour density:**	Not measured
Odour threshold:	Not measured	**Relative density:**	1,06 kg/l
pH:	10	**Solubility(ies):**	Soluble in water
Melting point/freezing point:	Not measured	**Partition coefficient: n-octanol/water:**	Not relevant.
Boiling point:	Not measured	**Auto-ignition temperature:**	Not relevant.
Flash point:	Not relevant.	**Decomposition temperature:**	Not relevant.
Evaporation rate:	Not measured	**Viscosity:**	Not measured
Flammability:	Not flammable	**Explosive properties:**	Not explosive
Upper/lower flammability or explosive limits:	Not relevant.	**Oxidising properties:**	Not oxidising

9.2 Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

None known.

10.2 Chemical stability

Stable under the recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

Reacts with: acids. Reaction causes the formation of: heat.

10.6 Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

Silanetriol, methyl-, potassium salt: LD50, oral (rat): >2000 mg/kg

Skin corrosion/irritation: After contact to the skin strong corrosion of the skin are to be expected.

Silanetriol, methyl-, potassium salt: Result: severe burns. Species: rabbit, Source: conclusion by analogy

Serious eye damage/irritation: After contact to the eyes irreversible effects must be expected.

Silanetriol, methyl-, potassium salt: Result: severe burns. Species: rabbit, Source: conclusion by analogy

Respiratory or skin sensitisation: Based on the corrosive properties an examination of this toxicological endpoint is not necessary.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Silanetriol, methyl-, potassium salt: According to our present state of knowledge not mutagenic. The evaluation is based of the whole data, including results of similar substances.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Silanetriol, methyl-, potassium salt: Based on hydrolysis characteristics of the substance the assessment is based on the hydrolysis products. For the silanols/siloxanols a conclusion was made by analogy (read-across) to structurally similar alkoxy silanes. On the basis of the available data no reproductive hazards are expected.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Silanetriol, methyl-, potassium salt: Based on hydrolysis characteristics of the substance the assessment is based on the hydrolysis products. For the silanols/siloxanols a conclusion was made by analogy (read-across) to structurally similar alkoxy silanes.
NOAEL: 50 mg/kg, LOAEL: 250 mg/kg, Subchronic study, rat (both sexes), oral, 28 d; 7d/w
Method: test report OECD 422
NOAEC: 0,56 mg/l, LOAEC: 2,2 mg/l, Subchronic study, rat (both sexes), inhalation (gas/vapour), 90 d; 5d/w, 6 hours/day
Method: test report OECD 413

Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

No ecotoxicological test data available. Based on available data, the classification criteria are not met.

Silanetriol, methyl-, potassium salt: Based on hydrolysis characteristics of the substance the assessment is based on the hydrolysis products. For the silanols/siloxanols a conclusion was made by analogy (read-across) to structurally similar alkoxy silanes. On the basis of these data no harmful effects are expected for aquatic organisms after neutralization or if the buffer capacity of the sewage treatment plant or the water compartment is not exceeded.

Fish: LC50 > 500 mg/l (Species: Danio rerio, 96 h, OECD 203 (Alkoxy silanes))
Daphnia: EC50 > 100 mg/l (nominal) (Species: Daphnia magna, 48 h, OECD 202 (Alkoxy silanes))
Algae: EC50 > 120 mg/l (Species: Pseudokirchneriella subcapitata, 72 h, OECD 201 (Alkoxy silanes))

12.2 Persistence and degradability

Silanetriol, methyl-, potassium salt: Not readily biodegradable. Result; 0%/28 d, CO2 formation, Method: OECD 310 (Alkoxy silanes)

12.3 Bioaccumulative potential

No adverse effects expected.

12.4 Mobility in soil

No data known.

12.5 Results of PBT and vPvB assessment

The mixture does not meet the criteria for PBT or vPvB.

12.6 Other adverse effects

No specific adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste of residues: Dispose of as Hazardous Waste, via an authorised person/licensed waste disposal contractor in accordance with local regulations. Do not contaminate the ground or water with waste, do not dispose of waste into the environment

Contaminated packaging: Contaminated packaging should be disposed of as above, according to national and local authority guidelines.

SECTION 14: Transport information

14.1	**UN number**	1719
14.2	**UN proper shipping name**	Caustic alkali liquid, n.o.s. (silanetriol, methyl-, potassium salt)
14.3	**Transport hazard class(es)**	8
14.4	**Packing group**	II
14.5	**Environmental hazards**	No
14.6	**Special precautions for user**	None
14.7	**Transport in bilk according to Annex II of MARPOL 73/78 and the IBC Code**	Not applicable

SECTION 15: Regulatory information

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

National and local regulations must be observed.

15.2 Chemical safety assessment

Not available.

SECTION 16: Other information

H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H319 Causes serious eye irritation.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present state of knowledge and experience. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.