

SAFETY DATA SHEET**Komsol® HYPRO****SECTION 1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 PRODUCT IDENTIFIER**

Trade name: Komsol® HYPRO

Product No.: 300

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Intended use: Stain protection for concrete floors and other mineral surfaces.

Uses advised against: No other uses identified.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company:

Komsol AB
Sandbogengatan 27
SE-45631 KUNGSHAMN, SCHWEDEN
+46 10 3303010
www.komsol.com

Contact person:

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1.4 EMERGENCY TELEPHONE NUMBER**Acute emergency (EU-wide): 112****Poison Information Centre Freiburg (Vergiftungs-Informationen-Zentrale Freiburg)****Breisacher Straße 86 b****79110 Freiburg****Notfalltelefon +49 (0) 761 19240****Telefax +49 (0) 761 270 44570****giftinfo@uniklinik-freiburg.de**

ECHA Poison Centre Notification (PCN) if applicable. See Section 4 for first aid measures.

SECTION 2 – HAZARDS IDENTIFICATION**2.1 CLASSIFICATION OF THE MIXTURE**

Classification according to Regulation (EC) No. 1272/2008 (CLP): Not classified as hazardous.

2.2 LABEL ELEMENTS

No hazard pictograms required. Signal word: None.

Hazard statements: None required.**Precautionary statements:**

P101 – If medical advice is needed, have product container or label at hand.

P102 – Keep out of reach of children.

P280 – Wear protective gloves/eye protection.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P501 – Dispose of contents/container in accordance with local regulations.

Supplemental labelling (EUH208):

Contains chloromethylisothiazolinone, methylisothiazolinone (3:1) and 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

2.3 OTHER HAZARDS

This product does not meet the criteria for PBT or vPvB.

No endocrine-disrupting properties known.

No other hazards identified.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES

Not applicable. This product is a mixture.

3.2 MIXTURES

Component	EC No.	CAS No	REACH No	% w/w	Classification
Water	231-791-2	7732-18-5	Exempt	30–60	Not classified
Acrylic copolymer dispersion (styren/acrylate type)	Polymer exempt	Representative 25035-69-2	Exempt	20–40	Not classified; contains trace preservatives (<0.01 %) — EUH208 (<i>May produce an allergic reaction</i>)
Silane/siloxane emulsion	Mixture	—	—	10-20	Aquatic Chronic 3 (H412); contains trace preservatives (<0.01 %) — EUH208
Trace preservatives (< 0.01 %)	—	—	—	<0,01	Isothiazolinones (CMIT/MIT, BIT) classified as Acute Tox. 3 (H301), Skin Corr. 1C (H314), Skin Sens. 1A (H317), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410); present below classification threshold but responsible for EUH208 labelling.

Additional information:

- The mixture does not contain any substances ≥ 0.1 % w/w identified as PBT, vPvB or SVHC under REACH.
- The mixture is not classified as hazardous according to CLP, based on dilution of the ingredients and summation rules in Annex I.

SECTION 4 – FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

General: In case of accident or if you feel unwell, seek medical advice (show the label or this Safety Data Sheet where possible).
Never give anything by mouth to an unconscious person.

Inhalation:	Move person to fresh air. Keep under observation. Seek medical attention if symptoms such as coughing or dizziness occur.
Skin contact:	Wash with water and mild soap. Remove contaminated clothing and shoes. If irritation persists, obtain medical attention.
Eye contact:	Rinse cautiously with clean water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If irritation persists, seek medical advice.
Ingestion:	Rinse mouth thoroughly and drink plenty of water. Do not induce vomiting. Seek medical advice if discomfort occurs or persists.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Direct contact may cause mild, transient irritation to eyes or skin in sensitive individuals.

Persons allergic to isothiazolinones may develop skin sensitisation (rash, redness, itching).

No delayed or systemic effects are known under normal conditions of use.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

No specific antidote is known.

In case of allergic reaction, symptomatic treatment as for contact dermatitis.

SECTION 5 – FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media: Water spray, foam, dry powder, or CO₂.

Unsuitable media: None known.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

The product itself is non-flammable and does not support combustion.

In case of fire in the surroundings, thermal decomposition may release small amounts of carbon oxides (CO, CO₂) and silicon oxides.

Fire residues and contaminated water may pose an environmental risk — prevent discharge to drains or watercourses.

5.3 ADVICE FOR FIREFIGHTERS

Wear self-contained breathing apparatus (SCBA) and full protective clothing if exposed to combustion gases.

Cool exposed containers with water spray to prevent pressure build-up.

Collect contaminated firefighting water separately; do not allow it to enter drains or natural watercourses.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid contact with eyes and skin.

Spilled material may be slippery — take care to prevent slipping accidents.

Provide adequate ventilation.

Use suitable protective equipment (see Section 8).

6.2 ENVIRONMENTAL PRECAUTIONS

Prevent large quantities of product from entering drains, surface water, or soil.

Small spills can be diluted with plenty of water.

In case of major spillage, notify local authorities according to applicable regulations.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Contain spill with inert absorbent materials (e.g. sand, earth, vermiculite, or diatomaceous earth).

Collect absorbed material into suitable, labelled containers for disposal according to Section 13.

Clean contaminated area thoroughly with water.

Avoid using acidic or strongly alkaline cleaning agents.

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 eyes, skin, and clothing.

Provide adequate ventilation during use.

Do not eat, drink, or smoke when using this product.

Wash hands thoroughly after handling.

Prevent accidental spills and formation of slippery surfaces.

See Section 8 for information on personal protective equipment.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store only in tightly closed original containers.

Keep container upright and sealed when not in use.

Storage temperature: 5–25 °C.

Protect from frost and direct sunlight.

Store in a dry, well-ventilated area away from food and drink.

Incompatible materials: Strong acids and oxidising agents; avoid contact with reactive metals such as aluminium or zinc.

7.3 SPECIFIC END USE(S)

This product may only be used for the applications described in Section 1.2.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

No occupational exposure limit values are established for the components of this mixture.

General exposure limits for nuisance aerosols may apply where mists are generated during spraying or high-shear mixing.

8.2 EXPOSURE CONTROLS

Technical measures:	Ensure good ventilation during application. Provide access to eye wash facilities in the work area.
Hygiene measures:	Do not eat, drink, or smoke during use. Wash hands before breaks and after work. Remove contaminated clothing and wash before reuse.
<u>Personal protective equipment</u>	
Respiratory protection:	Not normally required. Use EN149 (FFP2) mask if ventilation is insufficient.
Hand protection:	Nitrile gloves (≥ 0.3 mm, breakthrough time >480 min, compliant with EN374).
Eye protection:	Wear safety goggles with side protection, conforming to EN 166.
Skin protection:	Wear standard protective clothing suitable for industrial use.
Environmental exposure controls:	Avoid uncontrolled release into the environment. Do not discharge into drains or natural watercourses.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical state	Liquid
Colour	White / off-white
Odour	Mild, characteristic
pH	7–9
Density	$\sim 1.03 \text{ g/cm}^3$ (20 °C)
Viscosity (dynamic)	50–300 mPa·s (23 °C)
Solubility in water	Fully miscible
Boiling point	~ 100 °C
Melting/freezing point	0 °C
Vapour pressure	~ 23 hPa (20 °C)
Flammability	Non-flammable
Explosive limits	Not applicable
Auto-ignition temperature	Not applicable
Partition coefficient n-octanol/water	Not determined
Evaporation rate	Not determined

9.2 OTHER INFORMATION

No further relevant information available.

SECTION 10 – STABILITY AND REACTIVITY**10.1 REACTIVITY**

Stable under recommended conditions of use and storage.

10.2 CHEMICAL STABILITY

Stable under normal ambient conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No hazardous reactions known.

10.4 CONDITIONS TO AVOID

Avoid freezing, excessive heat, and direct sunlight.

10.5 INCOMPATIBLE MATERIALS

Strong acids, strong oxidising agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

None known under normal conditions of use and storage.

SECTION 11 – TOXICOLOGICAL INFORMATION**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

Acute toxicity:	Not classified. Based on available data, the mixture is not expected to be acutely toxic.
Skin corrosion/irritation:	Prolonged or repeated contact may cause mild irritation.
Serious eye damage/eye irritation:	May cause transient irritation on contact.
Respiratory or skin sensitisation:	Contains trace amounts of isothiazolinones; may cause allergic reaction in sensitised individuals.
Germ cell mutagenicity:	Not classified. No evidence of mutagenic effects known.
Carcinogenicity:	Not classified. No evidence of carcinogenic effects known.
Reproductive toxicity:	Not classified. No adverse reproductive effects known.
STOT-single exposure:	Not classified.
STOT-repeated exposure:	Not classified.
Aspiration hazard:	Not applicable (aqueous mixture).

11.2 INFORMATION ON OTHER HAZARDS

This mixture does not contain substances assessed to have endocrine-disrupting properties. No other known hazards.

SECTION 12 – ECOLOGICAL INFORMATION**12.1 TOXICITY**

Not classified as hazardous to the environment.

Based on available data, the mixture is not expected to be toxic to aquatic organisms.

12.2 PERSISTENCE AND DEGRADABILITY

The organic components are expected to be readily biodegradable.

12.3 BIOACCUMULATIVE POTENTIAL

Not expected to bioaccumulate.

12.4 MOBILITY IN SOIL

The product is miscible with water and may spread in the aquatic environment.

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

The mixture does not contain substances meeting PBT or vPvB criteria.

12.6 ENDOCRINE DISRUPTING PROPERTIES

No substances with endocrine-disrupting properties known.

12.7 OTHER ADVERSE EFFECTS

No other adverse environmental effects known.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Dispose of waste and residues in accordance with local, regional, national and international regulations.

Do not discharge into drains or the environment.

Product / Waste: Collect and deliver waste to approved disposal or recycling facilities.

Contaminated packaging:

Empty containers may contain product residues.

Rinse thoroughly with water before recycling or disposal.

Dispose of in accordance with local regulations.

European Waste Catalogue (EWC) codes (recommended):

08 01 12 – Waste paint and varnish other than those mentioned in 08 01 11.

15 01 02 – Plastic packaging.

Packaging must be completely emptied before disposal or recycling.

Dispose of in accordance with local or national regulations.

SECTION 14 – TRANSPORT INFORMATION

14.1 UN NUMBER

Not applicable

14.2 UN PROPER SHIPPING NAME

Not regulated for transport.

14.3 TRANSPORT HAZARD CLASS(ES)

Not classified as dangerous goods under ADR/RID, IMDG, or IATA.

14.4 PACKING GROUP

Not applicable

14.5 ENVIRONMENTAL HAZARDS

Not classified as hazardous to the environment.

14.6 SPECIAL PRECAUTIONS FOR USER

No special precautions required

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE – NOT APPLICABLE

Not applicable — product is not transported in bulk.

SECTION 15 – REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

This Safety Data Sheet complies with the requirements of:

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

Regulation (EC) No. 1272/2008 (CLP)

Regulation (EU) No. 2020/878 (Annex II update)

Globally Harmonised System (GHS)

No specific restrictions known. For professional and industrial use only.

15.2 CHEMICAL SAFETY ASSESSMENT

A Chemical Safety Assessment has not been carried out for this mixture.

SECTION 16 – OTHER INFORMATION**Abbreviations and acronyms:**

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road

CLP – Classification, Labelling and Packaging Regulation (EC) No 1272/2008

ECHA – European Chemicals Agency

EWC – European Waste Catalogue

GHS – Globally Harmonised System

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006)

Classification according to Regulation (EC) No. 1272/2008 (CLP):

Not classified.

Training advice:

Normal chemical handling precautions apply.

Further information:

This information is based on current knowledge and describes the product with regard to safety requirements. It does not represent a guarantee of the properties of the product.

The user is responsible for ensuring that the product is suitable for the intended application