

Trade name: EUCOPROOF HYDROGEL W 85
Version: 1
Revision date: 25.08.2020

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

1.1. Product identification

EUCOPROOF HYDROGEL W 85

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

Use of the substance / mixture

The product is intended for professional use. Building products.

Uses advised against

No identified use.

1.3. Details of the supplier of the safety data sheet

EUROCHEM BV
ESPERANTOLAAN 13/7
B-3300 TIENEN
BELGIUM
Tel.: +32.16.81.11.52
E-Mail: office@eucochem.com

1.4. Emergency telephone number

+32 70 245 245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture is classified as not dangerous.

2.2. Label elements

Classification according to Regulation (EC) n° 1272/2008 (CLP)

Not applicable.

Specific labelling of certain mixtures

EUH208	Contains a mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). Can cause allergic reactions.
EUH210	Safety data sheet available on request.

Biocidal products regulation

Contains a 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one as an active ingredient for storage protection according to Biocidal products.

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2.3. Other hazards

Product hydrolyses with the formation of ethanol. Ethanol is classified for physical and health hazards. The rate of hydrolysis and thus also the relevance for the hazard potential of the product are heavily dependent on the specific conditions.

SECTION 3: Composition / Information on ingredients

3.2. Mixture

Chemical characterization

Alkoxysilane + siloxane + water

Hazardous ingredients

The product does not contain any dangerous ingredients above the limit(s).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the event of an accident or if you feel unwell, seek medical advice (if possible, show the label or safety data sheet).

After eye contact

Rinse immediately with plenty of water. If irritation persists, seek medical advice.

After inhalation

Provide fresh air.

After skin contact

Wash with plenty of water or with water and soap. Get medical advice if there are visible skin changes or symptoms.

After ingestion

Give plenty of water to drink in small portions. Do not induce vomiting.

Self-protection of the first aider

First aiders: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed:

No information available.

4.3. Indication of any immediate medical attention or special treatment

No information available.

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SECTION 5: Fire fighting measures

5.1. Extinguishing agents

The product itself does not burn. Adapt extinguishing measures to the surrounding fire.

5.2. Specific hazards arising from the substance or mixture

Surrounding fire may develop dangerous vapours. Exposure to combustion products can be a health hazard! Hazardous fire products: toxic and very toxic smoke gases.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus. Keep unprotected people away.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Secure the area. Wear personal protection. Keep unprotected people away. If material has been released, draw attention to the risk of slipping. Do not walk through spilled material.

6.2. Environmental protection measures

Do not allow to get into bodies of water, sewage or the soil. Close the leak if this can be done without risk. Contain spilled liquid with suitable material (e.g. earth). Hold back contaminated water / extinguishing water. Disposal in properly labelled containers. In the event of leakage into water, sewage system or underground, inform the responsible authority.

6.3. Methods and materials for containment and cleaning up

Pick up mechanically and dispose of properly. Do not wash away with water. For small quantities: Pick up with neutral, liquid-binding material such as Kieselgur and dispose of properly. For large quantities: Liquids can be picked up with suction devices or pumps. If flammable, use only air-powered or properly adjusted electrical appliances. Remove any remaining slippery surface with detergent/soap solution or another biodegradable cleaner. Silicone oils are slippery, so spilled substance is a safety hazard. Apply sand or other inert, granular material to improve the grip.

Additional information

Extract fumes. Eliminate sources of ignition. Observe explosion protection.

6.4. Reference to other sections

Information on safe handling, see section 7.

Information on personal protective equipment, see section 8.

Information on disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice for safe handling

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Ensure good room and workplace ventilation. Extraction on the object is required. Avoid aerosol formation. Special protective measures (suction, respiratory protection) are required if aerosols are formed. Spilled substance increases the risk of slipping;

Information about fire and explosion protection

Product can split off ethanol. In closed rooms, vapours can form mixtures with air which lead to an explosion in the presence of ignition sources, even in empty, uncleaned containers. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers

Store dry and cool. Protect from direct sunlight. Protect from frost. Keep containers in a well-ventilated place.

Minimum temperature during storage and transport: 0°C.

Storage class according to TRGS 510: 10 (flammable liquids).

7.3. Specific end uses

Construction chemical applications

SECTION 8: Exposure controls / Personal protection

8.1. Control parameters

Occupational exposure limit values (TRGS 900)

CAS-N°	Designation	Type	Value	Peak lim.	Remarks
64-17-5	Ethanol	AGW	380 mg/m ³ 200 ppm	4 (II)	DFG Y

8.2. Exposure controls / personal protective equipment

Protective and hygiene measures

Observe general hygiene measures when handling chemical substances. Do not inhale gases / vapours / aerosols. Use with adequate ventilation. Do not eat, drink or smoke at work.

Respiratory protection

Wear suitable breathing apparatus and protective clothing if exposed to spray mist or aerosol. Suitable respiratory device: Respiratory protective device with full face mask, according to DIN EN 136.

Recommended filter type: Combination filter ABEK-P2 (certain inorganic, organic and acidic gases and vapours; ammonia / amines; particles), according to DIN EN 14387.

If inhalation exposure above the occupational exposure limit cannot be ruled out, suitable respiratory protective equipment must be used. Suitable respiratory device: Respiratory protective device with full face mask, according to DIN EN 136. Recommended filter type: Gas filter ABEK (certain inorganic, organic and acidic gases and vapours; ammonia / amines), according to DIN EN 14387.

The time limit for wearing respiratory protection and instructions from the device manufacturer must be observed.

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Eye / face protection

Safety goggles.

Hand protection

Wear suitable safety gloves: Butyl rubber (IIR) - material thickness >0,3 mm - penetration time>480 min, nitrile rubber (NBR) - material thickness >0,1 mm - penetration time>480 min. The information provided by the manufacturer of the protective gloves on permeability and penetration times must be observed. Also take into account the specific local conditions under which the product is used, such as risk of cuts, abrasion and contact time. It should be noted that the daily service life of chemical protection gloves in practice can be significantly shorter than the permeation time determined by tests due to the many influencing factors (e.g. temperature).

Skin / body protection

Wear suitable protective clothing when working.

Limitation and supervision of environmental exposure

Do not allow to get into bodies of water, sewage or the soil.

SECTION 9: Physical and chemical properties

9.1. Information on basis physical and chemical properties

Physical state:	pasty
Colour:	white
Odour:	weak
Initial boiling point and boiling range:	100 °C at 1.013 hPa
Flash point:	64 °C
Further combustibility:	> 95 °C
Vapour pressure:	23 hPa at 20 °C
Density:	0,9 g/cm ³
Water solubility:	Unlimited miscibility at 20°C
Ignition temperature:	265 °C
Explosion limit:	For released ethanol 3,5 - 15 Vol-%

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

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10.4. Conditions to avoid

Heat, open flames and other ignition sources.

10.5. Incompatible materials

Reacts with basic substances and acids. The reaction takes place with the formation of ethanol.

10.6. Hazardous decomposition products

In case of hydrolysis, ethanol. The following applies to the silicone content in the substance: Measurements have shown that a small amount of formaldehyde is split off at temperatures above approx. 150°C due to oxidative degradation.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Product details

Route of exposure: oral

Dose: LD50 - > 2,000 mg/kg

The assessment is carried out taking into account relevant data on ingredients.

Species: Rat

Source: Conclusion by analogy

Route of exposure: dermal

Dose: LD50 - > 2,000 mg/kg

The assessment is carried out taking into account relevant data on ingredients.

Species: Rat

Source: Conclusion by analogy OECD 402

Route of exposure: inhalative (aerosol)

Dose: LC50 - > 5,2 mg/l (4 h)

No mortality at the indicated dosage.

Species: Rat

Source: Test report.

Skin corrosion / irritation

Not irritating

The assessment is carried out taking into account relevant data on ingredients.

Species: Rabbit

Source: Conclusion by analogy OECD 404

Serious eye damage / eye irritation

Not irritating

The assessment is carried out taking into account relevant data on ingredients.

Species: Rabbit

Source: Conclusion by analogy OECD 405

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Respiratory / skin sensitization

Route of exposure: dermal

Not sensitizing.

The assessment is carried out taking into account relevant data on ingredients.

Species: Guinea Pig - Magnusson-Kligman

Source: Conclusion by analogy OECD 406

Germ cell mutagenicity

There are no toxicological test data available.

Carcinogenicity

There are no toxicological test data available.

Reproductive toxicity

There are no toxicological test data available.

Specific target organ toxicity- single exposure

There are no toxicological test data available.

Specific target organ toxicity after repeated exposure

There are no toxicological test data available.

Aspiration hazard

Based on the physico-chemical properties of the product, a risk of aspiration is not to be expected.

Additional information

Hydrolysis product / contamination: Ethanol is readily and quickly absorbed via all exposure routes. Ethanol can cause irritation of the eyes and mucous membranes as well as disorders of the central nervous system, nausea and dizziness. Chronic exposure to large amounts of ethanol can damage the liver and central nervous system.

SECTION 12: Environmental information

12.1. Toxicity

There are no toxicological test data available. According to current experience, no adverse effects are to be expected in sewage treatment plants.

12.2. Persistence and degradability

Reacts with water to form ethanol and silanol and/or siloxanol compounds. The hydrolysis product ethanol is easily biodegradable. Silanol and / or siloxanol compounds are not biodegradable.

12.3. Bioaccumulative potential

no data available.

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12.4. Mobility in soil

no data available.

12.5. Results of the PBT and vPvB assessment

no data available.

12.6. Other harmful effects

no data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal

Material that cannot be reused, reprocessed or recycled should be disposed of at an approved facility in accordance with national, state and local regulations. Depending on the regulations, waste treatment methods may include, for example, landfill or incineration. No waste code number according to the European Waste Catalogue (AVV) can be specified for this product, as it is only the intended use by the consumer that allows an allocation. The waste code number is to be determined within the EU in consultation with the disposal company.

Packaging disposal

Packaging must be completely emptied (drip-free, trickle-free, spatula-clean). Packaging should preferably be recycled or reused in accordance with the applicable local / national regulations. Packaging that cannot be cleaned must be disposed of in the same way as the product itself.

SECTION 14: Transport information

14.1. Land transport (ADR(RID))

Not hazardous according to these transportation regulations.

14.2. Inland waterway transport (ADN)

Not hazardous according to these transportation regulations.

14.3. Sea transport (IMDG)

Not hazardous according to these transportation regulations.

14.4. Air transport (IATA)

Not hazardous according to these transportation regulations.

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SECTION 15: Regulatory information

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

National regulations

Water hazard class

Water hazard class: 1 - slightly hazardous to water

15.2. Safety assessment

No chemical safety assessment was carried out.

SECTION 16: Other information

Explanation of the H and EUH statements (number and full text)

EUH208	Contains a mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). Can cause allergic reactions.
EUH210	Safety data sheet available on request.

Additional information

The information in this safety data sheet corresponds to the best of our knowledge at the time of printing. The information is intended to provide guidelines for the safe handling of the product named in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. If the product is mixed or processed with other materials, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless otherwise stated. The information is based on our current level of knowledge, but does not represent any assurance of product properties and does not establish a contractual legal relationship. It is the responsibility of the recipient of our products to observe existing laws and regulations.