Trade Name: EUCOPROOF HYDROGEL RD
Version: 1
Revision Date: 25.08.2020

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

1.1. Product identifier
EUCOPROOF HYDROGEL RD

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 and construction work.

Uses advised against
No identified use(s).

1.3. Details of the supplier of the safety data sheet
EUCOCHEM 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 product is not classified according to the CLP regulation.

2.2. Label elements
Labelling according to Regulation (EC) No 1272/2008 (CLP)
None.

Additional information

EUH208	Contains a 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one. May produce an allergic re-action.
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 preservative for products during storage according to regulation (EC) No 528/2012 art. 58(3).

2.3. Other hazards

Inhalation of aerosol spray may damage health. The product hydrolyses under formation of ethanol (CAS-No. 64-17-5). Ethanol is classified concerning both physical and health hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Chemical characterization

Alkoxy silanes + siloxane + water

Hazardous ingredients

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above ≥ 0.1%.

SECTION 4: First aid measures

4.1. Description of first aid measures

General notes

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

Following eye contact

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

Following inhalation

Provide fresh air.

Following skin contact

Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice.

Following ingestion

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

Self-protection to the first aider

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 and special treatment needed

No information available.

Trade Name: EUCOSEAL HYDROGEL RD
Version: 1
Revision Date: 25.08.2020

SECTION 5: Firefighting measures

5.1. Extinguishing media

The product is not flammable. Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Specific hazards arising from the chemical

Ambient fire may lead to hazardous fumes. Exposure to combustion products may be a health hazard! Hazardous combustion products: toxic and very toxic fumes.

5.3. Advice for firefighters

Use respiratory protection independent of recirculated air. Keep unprotected persons away.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. If material is released indicate risk of slipping. Do not walk through spilled material.

6.2. Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.

6.3. Methods and material for containment and cleaning up

Take up mechanically and dispose of according to local/state/federal regulations. Do not flush away with water. For small amounts: Absorb with a neutral (non-acidic / non-basic) liquid binding material such as diatomaceous earth and dispose of according to government regulations. For large amounts: Liquids may be recovered using suction devices or pumps. If flammable, only air driven or properly rated electrical equipment should be used. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Silicone fluids are slippery; spills are a safety hazard. Apply sand or other inert granular material to improve traction.

Further information

Exhaust vapours. Eliminate all sources of ignition. Consider explosion protection.

6.4. Reference to other sections

For advice on safe handling: see SECTION 7.
For advice on protective measures: see SECTION 8.
For advice on disposal: see SECTION 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation. Must be syphoned off in situ. Avoid formation of aerosols. In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection). Spilled substance increases risk of slipping.

Precautions against fire and explosion

Product may release ethanol. Flammable vapours may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. 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

Further information on storage conditions

Store in a dry and cool place. Protect against sun. Protect against frost. Store container in a well ventilated place.

Minimum temperature allowed during storage and transportation: 0 °C

Storage class (TRGS 510): 10 (flammable liquids)

7.3. Specific end use(s)

Construction-chemical applications

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Maximum airborne concentrations at the workplace

CAS No.	Substance	mg/m³	ppm	Type
64-17-5	Ethanol	1.920	1.000	OEL

8.2. Exposure controls

Protective and hygiene measures

Observe standard industrial hygiene practices for the handling of chemical substances. Do not inhale gases/vapours/aerosols. Use with adequate ventilation. Do not eat, drink or smoke when handling.

Eye/face protection

Use protective goggles in accordance with EN 166.

Respiratory protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136. Recommended Filter type: Combined filter type ABEK-P2 (certain inorganic, organic and acidic gases and vapours; ammonia/amines; particles), according to acknowledged standards such as EN 14387.

If inhalative exposure above the occupational exposure limit cannot be excluded, adequate respiratory protection equipment must be used. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136. Recommended Filter type: Gas filter type ABEK (certain inorganic, organic and acidic gases and vapours; ammonia/amines), according to acknowledged standards such as EN 14387

Observe the equipment manufacturer's information and wear time limits for respirators.

Skin/body protection

Wear suitable protective clothing.

Hand protection

Protective gloves according to EN 374. Butyl rubber (IIR), thickness > 0.3 mm, breakthrough time (maximum wearing time): >480 min or nitrile rubber (NBR), thickness > 0.1 mm, breakthrough time (maximum wearing time): >480 min. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured breakthrough time.

Environmental exposure controls

Prevent material from entering surface waters, drains or sewers and soil.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	pasty
Colour:	white
Odour:	faint
Initial boiling point or boiling range:	100 °C at 1.013 hPa
Flash point:	64 °C
Sustained combustibility:	> 95 °C
Vapour pressure:	23 hPa at 20 °C
Water solubility / miscibility:	completely miscible at 20 °C
Density:	0.9 g/cm³ at 25 °C
Ignition temperature:	265 °C
Explosion limits:	for released ethanol 3.5 - 15%(V).

SECTION 10: Stability and reactivity

10.1. Reactivity
None known.

10.2. Chemical stability
None known.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
Heat, open flames, and other sources of ignition.

10.5. Incompatible materials
Reacts with basic substances and acids. Reaction causes the formation of ethanol.

10.6. Hazardous decomposition products
By hydrolysis ethanol. The following applies for the silicone content of the substance: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C through oxidation.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity
Data for the product
Route: oral
Value: LD50 > 2.000 mg/kg
The assessment is made under consideration of relevant data on ingredients.
Species: Rat
Method: Conclusion by analogy
Route: dermal
Value: LD50 > 2.000 mg/kg
The assessment is made under consideration of relevant data on ingredients.
Species: Rat
Method: Conclusion by analogy OECD 402
Route: inhalation (spray)
Value: LC50 > 5,2 mg/l (4 h)
No mortality observed at this dose.
Species: Rat
Method: test report

Skin corrosion/irritation
not irritating
The assessment is made under consideration of relevant data on ingredients.
Species: Rabbit
Method: Conclusion by analogy OECD 404

Serious eye damage/eye irritation
not irritating
The assessment is made under consideration of relevant data on ingredients.
Species: Rabbit
Method: Conclusion by analogy OECD 405

Respiratory or skin sensitisation
Route: dermal
not sensitizing
The assessment is made under consideration of relevant data on ingredients.
Species: Guinea pig; Maximisation Test
Method: Conclusion by analogy OECD 406

Germ cell mutagenicity
For this endpoint no toxicological test data is available for the whole product.

Carcinogenicity
For this endpoint no toxicological test data is available for the whole product.

Reproductive toxicity
For this endpoint no toxicological test data is available for the whole product.

Specific target organ toxicity (single exposure)
For this endpoint no toxicological test data is available for the whole product.

Specific target organ toxicity (repeated exposure)
For this endpoint no toxicological test data is available for the whole product.

Aspiration hazard
Based on the physical-chemical properties of the product no aspiration hazard must be expected.

Further toxicological information
Hydrolysis product / impurity: Ethanol (64-17-5) is readily absorbed at all exposure routes. Ethanol may cause irritation of eyes and mucosa, trigger dysfunction of the central nervous system and cause nausea as well as dizziness. Chronic exposure to high amounts of ethanol may cause damage to liver and central nervous system.

Trade Name: EUCOSEAL HYDROGEL RD
Version: 1
Revision Date: 25.08.2020

SECTION 12: Ecological information

12.1. Toxicity

For the product as a whole, no test data is available. According to current knowledge adverse effects on water purification plants are not expected.

12.2. Persistence and degradability

Contact with water liberates ethanol and silanol- and/or siloxanol-compounds. The hydrolysis product (Ethanol) is readily biologically degradable. Silanol- and/or siloxanol-compounds: Biologically not degradable.

12.3. Bioaccumalative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

Not information available.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal

Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Appropriate disposal / Package

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

Trade Name: EUCOSEAL HYDROGEL RD
Version: 1
Revision Date: 25.08.2020

SECTION 14: Transport information

14.1. Land transport (ADR(RID))
No dangerous good in sense of these transport regulations.

14.2. Inland waterways transport (ADN)
No dangerous good in sense of these transport regulations.

14.3. Marine transport (IMDG)
No dangerous good in sense of these transport regulations.

14.4. Air transport (IATA)
No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

National regulatory information
Observe in addition any national regulations.

Water contaminating class
Water contaminating class: 1 - slightly water contaminating

15.2. Chemical safety assessment
A chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant H-statements (number and full text)

EUH208	Contains a 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one. May produce an allergic re-action.
EUH210	Safety data sheet available on request.

Additional information
The information contained in this document is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. The customer must inspect and test our products before use, and satisfy themselves as to the contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials, and in no event shall we be liable for special, incidental, or consequential damages.