Safety Data Sheet according to Reg. 878/2020/EU
HYDROREP ECO
Safety Data Sheet dated 2/28/2024 version 5

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

1.1. Product identifier

Mixture identification:

Trade name: HYDROREP ECO

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

Recommended use: Professional; Consumer

Uses advised against: No other uses are foreseen besides those below identified.

Use description: Water repellent agent for terracotta and natural stone

1.3. Details of the supplier of the safety data sheet

Company: FILA ISolutions S.P.A. SB
Via Garibaldi, 58
35018 San Martino di Lupari (PD)
ITALIA
tel. +39.049.9467300
fax +39.049.9460753

Responsable: sds@filasolutions.com

1.4. Emergency telephone number

UNITED KINGDOM: NHS Direct 111 (In England, Scotland North Ireland) 08454647 (Wales); IRELAND 018092166

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

0 The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Special Provisions:

EUH210 Safety data sheet available on request.

Contains

1,2-benzisothiazol-3(2H)-one May produce an allergic reaction.

Dir. 2004/42/EC (VOC directive)

This product contains max 51.26 g/l VOC.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%.

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: HYDROREP ECO

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
< 5%	1-methoxy-2-propanol	CAS:107-98-2 EC:203-539-1 Index:603-064-00-3	Flam. Liq. 3, H226; STOT SE 3, H336	01-2119457435-35
< 5%	1,2-benzisothiazol-3(2H)-one	CAS:2634-33-5 EC:220-120-9 Index:613-088-00-6	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Skin Sens. 1, H317 Acute Tox. 2, H330 Aquatic Chronic 1, H410, M-Chronic:1, M-Acute:1 Specific Concentration Limits: C ≥ 0.036%: Skin Sens. 1A H317 Acute Toxicity Estimate: ATE - Oral: 450mg/kg bw ATE - Inhalation (Dust/mist): 0.21mg/l	

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

After contact with skin, wash with soap and plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

In case of eyes contact:

Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

In case of Ingestion:

Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

In case of Inhalation:

Bring the subject to open air. In the event of breathing difficulties, get medical advice/attention immediately.

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

May produce an allergic reaction

4.3. Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE.

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhaltion of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

The intended uses are indicated in section 1. No further specific uses are foreseen.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

	OEL Type	Country	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Notes
1-methoxy-2-propanol CAS: 107-98-2	MAK	AUSTRIA	187. 00000000	50.00000000	187. 00000000	50.00000000	
	VLEP	BELGIUM	184. 00000000	50.00000000	369. 00000000	100. 00000000	
	OEL	DENMARK	185. 00000000	50.00000000	370. 00000000	100. 00000000	
	EU		375. 00000000	100. 00000000	568. 00000000	150. 00000000	
	OEL	FINLAND	370. 00000000	100. 00000000	560. 00000000	150. 00000000	
	AGW	GERMANY	370. 00000000	100. 00000000	740. 00000000	200. 00000000	
	MAK	GERMANY	370. 00000000	100. 00000000	740. 00000000	200. 00000000	
	OEL	IRELAND	375. 00000000	100. 00000000	568. 00000000	150. 00000000	
	OEL	ITALY	375. 00000000	100. 00000000	568. 00000000	150. 00000000	
	OEL	LATVIA	375. 00000000	100. 00000000	568. 00000000	150. 00000000	
	OEL	NORWAY	180. 00000000	50.00000000			
	VLEP	ROMANIA	180. 00000000		360. 00000000		

VLA	SPAIN	375.00000000	100.00000000	568.00000000	150.00000000	
OEL	SWEDEN	190.00000000	50.00000000	568.00000000	150.00000000	
MAK	SWITZERLAND	360.00000000	100.00000000	720.00000000	200.00000000	
MAC	NETHERLANDS	375.00000000		563.00000000		
ACGIH			50.00000000		100.00000000	A4 - Eye and URT irritant
WEL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	375.00000000	100.00000000	560.00000000	150.00000000	

Predicted No Effect Concentration (PNEC) values

	PNEC Limit	Exposure Route	Exposure Frequency	Remark
1-methoxy-2-propanol CAS: 107-98-2	10 mg/l	Fresh Water		
	100 mg/l	Intermittent releases (fresh water)		
	1 mg/l	Marine water		
	52.3 mg/kg	Freshwater sediments		
	5.2 mg/kg	Marine water sediments		
	4.59 mg/kg	Soil		
	100 mg/l	Water		
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5	3.39 µg/L	Fresh Water		
	3.39 µg/L	Intermittent releases (fresh water)		
	3.39 µg/L	Marine water		
	3.39 µg/L	Intermittent releases (marine water)		
	0.23 mg/l	Microorganisms in sewage treatments		
	0.047 mg/kg dw	Soil		

Derived No Effect Level (DNEL) values

	Worker Industry	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
1-methoxy-2-propanol CAS: 107-98-2			43.6 mg/m3	Human Inhalation	Long Term, systemic effects	

			78 mg/Kg bw/day	Human Dermal	Long Term, systemic effects
			33 mg/Kg bw/day	Human Oral	Long Term (repeated)
	553.5 mg/m3	553.5 mg/m3		Human Inhalation	Short Term (acute)
	369 mg/m3	369 mg/m3		Human Inhalation	Long Term, systemic effects
	183 mg/Kg bw/day	183 mg/Kg bw/day		Human Dermal	Long Term, systemic effects
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5	0.021 mg/m3	0.021 mg/m3		Human Inhalation	Long Term, local effects
			0.027 mg/Kg bw/day	Human Oral	Long Term, systemic effects
			0.053 mg/Kg bw/day	Human Oral	Short Term (acute)

8.2. Exposure controls

Eye protection:

Generally not required for normal use. In case of formation of mists, wear airtight protective goggles (see standard EN 166).

Protection for skin:

Generally not required for normal use.

Protection for hands:

Generally not necessary. In case of prolonged contact protect hands with category I work gloves (ref. Standard EN 374).

Recommended material: Nitrile, minimum 0.38 mm thick or equivalent protective barrier material with a high level performance for conditions of use in continuous contact, with a minimum permeability time of 480 minutes in accordance with the CEN standard EN 420 and EN 374.

Respiratory protection:

Normally no protective device is required.

In case of exposure to fog, spray or aerosol, wear an adequate protective system for breathing and a protective garment. Adequate respiratory devices: respiratory appliance with full mask, in accordance with recognized standards such as EN 136.

Suggested filter type: ABEK-P2 combined filter (certain gases and inorganic and organic acid vapors; ammonia/amines; particles), in accordance with recognized standards such as EN 14387.

Time must be observed for use for respiratory appliances as well as the indications of the relative manufacturer.

Thermal Hazards:

N.A.

Environmental exposure controls:

Emissions from manufacturing processes, including those from ventilation equipment, should be controlled for compliance with environmental protection legislation.

Product residues must not be discharged without control into waste water or water courses.

Hygienic and Technical measures

N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Liquid

Appearance and colour: Liquid Whitish

Odour: Typical of resin

pH: 8.50

Kinematic viscosity: N.A.

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

Flash point: > 93°C

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.
Vapour pressure: N.A.
Relative density: 1.00 kg/l
Solubility in water: Very soluble
Solubility in oil: N.A.
Partition coefficient (n-octanol/water): N.A.
Auto-ignition temperature: N.A.
Decomposition temperature: N.A.
Flammability: N.A.
Particle characteristics:
Particle size: N.A.
VOC content (g/L) in the product (2010/75/UE) 51.26
VOC content % in the product (2010/75/UE) 5.15

9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

Product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

None in particular.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

Due to thermal decomposition or in case of fire, gases and vapors can be released that are potentially harmful to health.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified
	Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified
	Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	Not classified
	Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

1-methoxy-2-propanol	a) acute toxicity	LD50 Oral Rat = 4016 mg/kg

		LD50 Skin Rat > 2000 mg/kg bw
	c) serious eye damage/irritation	Eye Irritant Rabbit
1,2-benzisothiazol-3(2H)-one	a) acute toxicity	ATE - Oral : 450 mg/kg bw
		ATE - Inhalation (Dust/mist) : 0.21 mg/l
		LD50 Skin Rat > 294 mg/kg bw
		LD50 Oral Rat = 285.5 mg/kg
		LC50 Inhalation Rat = 0.13 mg/l
		LC50 Inhalation Rat (Female) = 0.1 mg/l
	b) skin corrosion/irritation	Skin Corrosive Rabbit Positive
	c) serious eye damage/irritation	Eye Corrosive In vitro
	d) respiratory or skin sensitisation	Skin Sensitization Guineapig Positive

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
1-methoxy-2-propanol	CAS: 107-98-2 - EINECS: 203-539-1 - INDEX: 603-064-00-3	a) Aquatic acute toxicity : EC50 Fish Pimephales promelas = 20800 mg/L 96h
		a) Aquatic acute toxicity : EC50 Daphnia 23300 mg/L 48h
		a) Aquatic acute toxicity : EC50 Algae Selenastrum capricornutum > 1000 mg/L - 7 days
1,2-benzisothiazol-3(2H)-one	CAS: 2634-33-5 - EINECS: 220-120-9 - INDEX: 613-088-00-6	a) Aquatic acute toxicity : EC50 Daphnia = 2.44 mg/L 48h
		a) Aquatic acute toxicity : LC50 Fish = 0.74 mg/L 96h

12.2. Persistence and degradability

Component	Persitence/Degradability:	Test	Duratio n	Value
1-methoxy-2-propanol	Readily biodegradable			
1,2-benzisothiazol-3(2H)-one	Non-readily biodegradable	OECD 301B1	28 days	50.000

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

Component	Mobility in soil
1-methoxy-2-propanol	Mobile

12.5. Results of PBT and vPvB assessment

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%.

12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7 Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number or ID number

N/A

14.2. UN proper shipping name

ADR-Shipping Name: N/A
IATA-Technical name: N/A
IMDG-Technical name: N/A

14.3. Transport hazard class(es)

ADR-Class: N/A
IATA-Class: N/A
IMDG-Class: N/A

14.4. Packing group

ADR-Packing Group: N/A
IATA-Packing group: N/A
IMDG-Packing group: N/A

14.5. Environmental hazards

Toxic Ingredients Qty: 0.00
High Toxicity Ingredients Qty: 0.00
Marine pollutant: No
Environmental Pollutant: No
IMDG-EMS: N/A

14.6. Special precautions for user

Road and Rail (ADR-RID) :

ADR-Label: N/A
ADR - Hazard identification number: N/A
ADR-Special Provisions: N/A
ADR-Transport category (Tunnel restriction code): N/A

Air (IATA) :

IATA-Passenger Aircraft: N/A
IATA-Cargo Aircraft: N/A
IATA-Label: N/A
IATA-Subsidiary hazards: N/A
IATA-Erg: N/A
IATA-Special Provisioning: N/A

Sea (IMDG) :

IMDG-Stowage Code: N/A
IMDG-Stowage Note: N/A
IMDG-Subsidiary hazards: N/A
IMDG-Special Provisioning: N/A

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2018/699 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/699 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2020/878
Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 40

Restrictions related to the substances contained: 30, 75

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

Class 1: slightly hazardous for water.

SVHC Substances:

No data available

Dir. 2004/42/EC (VOC directive)

(ready to use)

Volatile Organic compounds - VOCs = 5.15 %

Volatile Organic compounds - VOCs = 51.26 g/L

Dir. 2010/75/EC (VOC directive)

Volatile Organic compounds - VOCs = 5.15 %

Volatile Organic compounds - VOCs = 51.26 g/L

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

1-methoxy-2-propanol

SECTION 16: Other information

Code	Description
H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.

Code	Hazard class and hazard category	Description
2.6/3	Flam. Liq. 3	Flammable liquid, Category 3
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

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

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: KAFH

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LDLo: Leathal Dose Low

N.A.: Not Applicable

N/A: Not Applicable

N/D: Not defined/ Not available

NA: Not available

NIOSH: National Institute for Occupational Safety and Health

NOAEL: No Observed Adverse Effect Level

OSHA: Occupational Safety and Health Administration.

PBT: Persistent, Bioaccumulative and Toxic

PGK: Packaging Instruction

PNEC: Predicted No Effect Concentration.

PSG: Passengers

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.