

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

#### 1.1. Product identifier

Product form : Mixture  
 Trade name : Hyfloc LD1

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Product for water treatments

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

DERYPOL, S.A HQ:	Manufacturing:
C/Plató, n 6, Entlo, 5	C/Cal Gabatx, s/n
08021 Barcelona (Spain)	08520 Les Franqueses del Vallès (Spain)
Tel. +34 93 238 9090	Tel. +34 93 8496188
	regulatory@derypol.com

#### 1.4. Emergency telephone number

Emergency number : +34 93 849 6188  
 9:00-13:00 h 15:00-17:00 h (GMT + 1)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

Other hazards which do not result in classification : Spill area may be slippery.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Comments : Anionic acrylic copolymer dispersed in medicinal grade white oil

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C12-C15, n-alkanes, isoalkanes <2%. aromatic substance with national workplace exposure limit(s) (ES); substance with a Community workplace exposure limit	EC-No.: 920-107-4 REACH-no: 01-2119453414-43	20-45	Asp. Tox. 1, H304
Isotridecanol, ethoxylated	CAS-No.: 69011-36-5 EC-No.: 500-241-6	<5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: In case of trouble go to the open air. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Rinse the skin affected with plenty of water. Then wash it again with water and soap. In case of irritation, if it persists, get medical advice. In case of stained clothes take them out and wash them before using again.
First-aid measures after eye contact	: Rinse thoroughly with plenty of water, also under eyelids, at least for 15 minutes. Get medical assistance. It is necessary having a safety shower in the work area.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.

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

Symptoms/effects after inhalation	: No acute effects are expected, except for an allergic reaction to any of the individual product ingredients.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: May include: itching, pain, redness, tears.
Symptoms/effects after ingestion	: Gastrointestinal discomfort. Repeated ingestion of the product is considered highly unlikely route of exposure if working in adequate sanitary and hygiene conditions.
Symptoms/effects upon intravenous administration	: Likely routes of exposure: skin and eye.

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

Treat symptomatically. Any ingredient in significant proportion according to the criteria laid down in Regulation 1272/2008 is mentioned in paragraph 3.2 of this Safety Data Sheet. Get medical attention urgently.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Water, water spray, dry powder, carbon dioxide (CO <sub>2</sub> ), foam.
Unsuitable extinguishing media	: None.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Cool the containers with sprayed water. Avoid exposure to smoke and vapour provoked by the heating or combustion of the product.
Hazardous decomposition products in case of fire	: Some hazardous gases can be released, mainly: carbon oxides (Cox) and nitrogen oxides (Nox). In case of combustion in a poor oxygen atmosphere some vapors of hydrochloric acid and hydrocyanic acid can be formed.

#### 5.3. Advice for firefighters

Precautionary measures fire	: Eliminate all ignition sources if safe to do so. Fight fire with normal precautions from a reasonable distance.
Firefighting instructions	: In case of fire extinguishing all means are permitted. In case of water, careful not to get into drains, pipes or channels to ensure that water is not contaminated.
Protection during firefighting	: Use self-contained breathing apparatus and chemically protective clothing.

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Other information : Spills produce extremely slippery surfaces.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not step on the spill and avoid contact with water. The affected area, in contact with water, will become extremely slippery.

##### 6.1.1. For non-emergency personnel

Protective equipment : Avoid eyes and skin contact; use personal protective equipment.  
Emergency procedures : Restrict access to area as appropriate until clean-up operations are complete. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection). Stop or reduce any leaks if it is safe to do so. Ventilate spill area if possible. Ensure clean-up is conducted by trained personnel only. Do not touch spilled material. Have emergency equipment (for fires, spills, leaks, etc.) readily available.

##### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment. Keep away from people without protection. Slipping hazard if spilled load. Avoid contact with eyes and skin. Do not breathe vapors or spray mist. Personal protective equipment, see section 8.

#### 6.2. Environmental precautions

Avoid the ground to be contaminated, natural water courses and wastewater drainage. If contamination occurs inform the corresponding authorities immediately.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : For small spills use inert absorbent materials and remove with a shovel; then flush the affected area with pressured water. For large spills contain them with absorbent material and pump out the product to adequate containers; then flush the affected area with pressured water.

#### 6.4. Reference to other sections

See Section 8 to have information related to most appropriate personal protection equipment.  
See Section 13 to have information related to waste management.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : We recommend handling the product in a well ventilated area. Ensure you have a safety shower and eye wash fountain available. Keep absorbent material as a precaution against spills. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Avoid contact with skin and eyes.  
Handling temperature : 5 – 35 °C  
Hygiene measures : Use normal personal hygiene and housekeeping measures when handling any chemical product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : conditions to be avoided. Heat and ignition sources, including static electricity discharges. Extreme temperatures. Protect from freezing.  
Incompatible materials : Store away from oxidants. As a general rule we recommend avoiding the contact with strong chemical reagents, such as acids, bases, reductors and oxidizers.  
Storage temperature : 0 – 40 °C

#### 7.3. Specific end use(s)

For all the expected uses of the product the indications given above are considered appropriate.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. National occupational exposure and biological limit values

Hydrocarbons, C12-C15, n-alkanes, isoalkanes <2%. aromatic	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	1200 mg/m <sup>3</sup>
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA) [1]	200 mg/m <sup>3</sup>
VLA-EC (OEL STEL)	10 mg/m <sup>3</sup>

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

##### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

###### Appropriate engineering controls:

Natural ventilation is adequate under normal handling conditions. Use local exhaust systems in case of mists and/or aerosols.

##### 8.2.2. Personal protection equipment

###### 8.2.2.1. Eye and face protection

###### Eye protection:

Safety glasses with side-shields

###### 8.2.2.2. Skin protection

###### Skin and body protection:

Use a chemical resistant apron or full protective equipment depending on the handling level and contact risks with the product and its dissolutions.

Wear impervious rubber safety shoes

###### Hand protection:

Use latex gloves, or natural rubber gloves. Protective gloves made of PVC

###### Other skin protection

###### Materials for protective clothing:

Use your standard work clothes. In case of long contact with the product and risk of splash of its dissolutions use full waterproof suit

###### 8.2.2.3. Respiratory protection

###### Respiratory protection:

Not necessary under normal conditions and provided good general ventilation. If mist is formed: Wear respiratory protection.

###### 8.2.2.4. Thermal hazards

No additional information available

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### 8.2.3. Environmental exposure controls

#### Consumer exposure controls:

Wash your hands and anybody area that has resulted exposed to the product before drinking, eating, using the services and end of the work period. You should always have a safety shower and eyewash in the area where the product is handled. Be aware of your exposure to products used in your workplace and act responsibly to avoid contaminating other areas. Try to develop good health habits, check with your company responsible for help.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Not available
Appearance	: Whitish opaque liquid.
Odour	: Aliphatic odour.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: < 5 °C
Boiling point	: > 100 °C
Flammability	: Not available
Explosive properties	: None expected.
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: The product is not easily ignited
Auto-ignition temperature	: Not available
Decomposition temperature	: > 150 °C
pH	: Not available
pH solution	: 5 – 8 g/l (5 g/L)
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 300 – 2000 cP
Solubility	: Water soluble. Solution concentration will be limited by its own viscosity.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 2.3 kPa
Vapour pressure at 50 °C	: Not available
Density	: 1 – 1.2 g/cm <sup>3</sup>
Relative density	: Not available
Relative vapour density at 20 °C	: 0.804
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This product does not present any dangerous reactivity if used, stored and handled in accordance with this MSDS recommendations.

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### 10.2. Chemical stability

Stable under normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

Protect from frost, heat and sunlight.

### 10.5. Incompatible materials

Oxidation agents. As a general rule we recommend avoiding the contact with strong chemical reagents, such as acids, bases, reductors and oxidizers.

### 10.6. Hazardous decomposition products

Thermal decomposition products (in case of fire) are indicated in Section 5.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : The product is not expected to be toxic by inhalation.

#### Hyfloc LD1

LD50 oral rat	> 5000 mg/kg (estimated value)
LD50 dermal rat	> 5000 mg/kg (estimated value)

#### Hydrocarbons, C12-C15, n-alkanes, isoalkanes <2%. aromatic

LD50 oral rat	> 5000 mg/kg (OCDE 401)
LD50 dermal rat	> 5000 mg/kg (OCDE 402)
LC50 Inhalation - Rat	> 4.951 mg/l/4h (OCDE 403)

#### Isotridecanol, ethoxylated (69011-36-5)

LD50 oral rat	500 – 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation : Not irritating to skin  
Serious eye damage/irritation : Not irritant. (OECD 437 method)  
Respiratory or skin sensitisation : This product is not expected to be sensitizing.  
Germ cell mutagenicity : Not mutagenic.  
Carcinogenicity : Not carcinogenic.  
Reproductive toxicity : It is not toxic for reproduction

#### Hydrocarbons, C12-C15, n-alkanes, isoalkanes <2%. aromatic

NOAEL (animal/male, F0/P)	300 mg/kg (OCDE 421)
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STOT-single exposure : No known effect.  
STOT-repeated exposure : No known effect.  
Aspiration hazard : Due to its viscosity, this product does not represent any danger when aspired.

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : No data available

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### 11.2.2. Other information

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : No data available.

Hyfloc LD1	
LC50 - Fish [1]	> 100 mg/l (estimated value)
EC50 - Crustacea [1]	> 100 mg/l (estimated value)
EC50 72h - Algae [1]	> 100 mg/l (estimated value)

### Hydrocarbons, C12-C15, n-alkanes, isoalkanes <2%. aromatic

LC50 - Fish [1]	> 1000 mg/l (Oncorhynchus mykiss, OECD 203)
EC50 - Crustacea [1]	> 1000 mg/l (Daphnia magna, OECD 202)
EC50 72h - Algae [1]	> 1000 mg/l (Pseudokirchneriella subcapitata, OECD 201 method)
NOEC chronic fish	> 1000 mg/l (Oncorhynchus mykiss, 28 d)
NOEC chronic crustacea	> 1000 mg/l (Daphnia magna, 21 d)
NOEC chronic algae	> 1000 mg/l (Tetrahymena pyriformis, 48 h)

### Isotridecanol, ethoxylated (69011-36-5)

LC50 - Fish [1]	1 – 10 mg/l (OECD 203 method)
EC50 - Crustacea [1]	1 – 10 mg/l (OECD 202 method)
EC50 72h - Algae [1]	1 – 10 mg/l (OECD 201 method)
ErC50 algae	1 – 10 mg/l (OECD 201 method)
NOEC (chronic)	> 1 mg/l (OECD 202 method)

### 12.2. Persistence and degradability

Hyfloc LD1	
Persistence and degradability	Not readily biodegradable. This product does not hydrolyse.

### Hydrocarbons, C12-C15, n-alkanes, isoalkanes <2%. aromatic

Persistence and degradability	This product is not rapidly biodegradable. This product does not hydrolyse.
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### Isotridecanol, ethoxylated (69011-36-5)

Persistence and degradability	Hardly biodegradable. This product does not hydrolyse.
Biodegradation	> 60 % (OECD 301B method)

### 12.3. Bioaccumulative potential

Hyfloc LD1	
Bioaccumulative potential	The product is not expected to bioaccumulate.

### Hydrocarbons, C12-C15, n-alkanes, isoalkanes <2%. aromatic

Partition coefficient n-octanol/water (Log Pow)	3 – 6
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### Isotridecanol, ethoxylated (69011-36-5)

Partition coefficient n-octanol/water (Log Pow) > 3

### 12.4. Mobility in soil

#### Hyfloc LD1

Ecology - soil No information available.

### Isotridecanol, ethoxylated (69011-36-5)

Partition coefficient n-octanol/water (Log Koc) > 5000

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : No data available

### 12.7. Other adverse effects

Other adverse effects : None to mention.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : If this product must be disposed as a waste the final user must do it accordingly with the European, national and local regulations. Use only authorised companies. Empty containers may be reused if properly clean. This operation is an exclusive responsibility of the final customer of the product. Furthermore, the user must consider the possible national/local regulations.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number or ID number

UN-No. (ADR) : Not applicable  
UN-No. (IMDG) : Not applicable  
UN-No. (IATA) : Not applicable  
UN-No. (ADN) : Not applicable  
UN-No. (RID) : Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable



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### IATA

Transport hazard class(es) (IATA) : Not applicable

### ADN

Transport hazard class(es) (ADN) : Not applicable

### RID

Transport hazard class(es) (RID) : Not applicable

## 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

## 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

## 14.6. Special precautions for user

### Overland transport

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

### Inland waterway transport

Not applicable

### Rail transport

Not applicable

## 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list  $\geq 0,1\%$  / SCL

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

##### Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

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### Netherlands

SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Indication of changes

Section	Changed item	Change	Comments
	Issue date	Modified	
	Revision date	Modified	
	Supersedes	Modified	
2.2	EUH-statements	Added	
4.2	Symptoms/effects after eye contact	Added	
4.2	Symptoms/effects after skin contact	Added	
4.2	Symptoms/effects after inhalation	Added	
4.2	Symptoms/effects upon intravenous administration	Added	
4.2	Symptoms/effects after ingestion	Added	
5.2	Fire hazard	Added	
5.3	Precautionary measures fire	Modified	
6.1	Emergency procedures	Modified	
6.1	General measures	Added	
7.2	Storage temperature	Added	
8.2	Hand protection	Modified	
8.2	Respiratory protection	Modified	
9.1	Viscosity, kinematic	Added	
9.1	Density	Modified	
9.1	Relative density	Removed	
10.5	Incompatible materials	Modified	
10.6	Hazardous decomposition products	Modified	
13.1	Waste treatment methods	Modified	
16	Other information	Added	

Other information

: The latest version of the MSDS of this product can be obtained through the link <https://www.derypol.com/en/technical-documentation/>.

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Full text of H- and EUH-statements	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.
EUH210	Safety data sheet available on request.

Safety Data Sheet applicable for regions : DE;DK;ES;FI;FR;IT;NL;PL;PT;GB;RU;SE

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.