

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 4/27/2023 Revision date: 4/27/2023 Supersedes version of: 11/21/2019 Version: 5.0

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

	the substance/mixture and of the company/undertaking
1.1. Product identifier	
Product form Trade name	: Mixture : Hyfloc LD910
1.2. Relevant identified uses of the	he substance or mixture and uses advised against
 1.2.1. Relevant identified uses Use of the substance/mixture 1.2.2. Uses advised against No additional information available 	: Product for water treatments
1.3. Details of the supplier of the	safety data sheet
DERYPOL, S.A HQ: C/Plató, n 6, Entlo, 5 08021 Barcelona (Spain) Tel. +34 93 238 9090	Manufacturing: C/Cal Gabatx, s/n 08520 Les Franqueses del Vallès (Spain) Tel. +34 93 8496188 regulatory@derypol.com
1.4. Emergency telephone number	er
Emergency number	: +34 93 849 6188 9:00-13:00 h 15:00-17:00 h (GMT + 1)
SECTION 2: Hazards identific	ation
2.1. Classification of the substan	ce or mixture
Classification according to Regulatio 2015/830, 2020/878 (REACH Anne Not classified	n (EC) No. 1272/2008 [CLP]Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) x II)
Adverse physicochemical, human he No additional information available	alth and environmental effects
2.2. Label elements	
Labelling according to Regulation (Ed	C) No. 1272/2008 [CLP] : EUH210 - Safety data sheet available on request.

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

2.3. Other hazards

Other hazards which do not result in classification : Spills will produce extremely slippery surfaces in case of contact with water.

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

Safety Data Sheet

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, isoalcanes <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 general	: Do not perform any action that poses a risk if proper training is not held. Use the personal protective equipment necessary in the circumstances prevailing in the place of intervention.	
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 Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion Symptoms/effects upon intravenous administration	 None expected. None expected. May include: itching, pain, redness, tears. May cause irritation of the digestive tract. 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 Unsuitable extinguishing media	: Water. Water spray, dry powder, carbon dioxide (CO2), foam. : None.
5.2. Special hazards arising from the subst	ance or mixture
Fire hazard Hazardous decomposition products in case of fire	 Cool the containers with sprayed water. Avoid exposure to smoke and vapour provoked by the heating or combustion of the product. Some hazardous gases can be released, mainly: carbon oxides (COx), nitrogen oxides (NOx) and sulphur oxides (SOx). In case of combustion in a poor oxygen atmosphere some vapors of hydrocyanic acid can be formed.
5.3. Advice for firefighters	
Precautionary measures fire Firefighting instructions	 Eliminate all ignition sources if safe to do so. Fight fire with normal precautions from a reasonable distance. 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.

Safety Data Sheet

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

Other information

: Spills produce extremely slippery surfaces.

SECTION 6: Accidental release me	easures
6.1. Personal precautions, protective e	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 Emergency procedures	 Avoid eyes and skin contact; use personal protective equipment. 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 es 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. Avoid contact with skin and eyes. Wear recommended personal protective equipment.	
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	: Store in cool, dry, ventilated places, away from the sun, heat and sources of ignition. Keep the product in its original containers tightly closed and away from incompatible material. conditions to be avoided. Heat and ignition sources, including static electricity discharges. Extreme temperatures. Protect from freezing.	
Incompatible materials	: Oxidising agents. 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.

Safety Data Sheet

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

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, isoalcanes <2%. aromatic		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	1200 mg/m ³	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	200 mg/m³	
VLA-EC (OEL STEL)	10 mg/m ³	

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

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid spills that contaminate the underground, surface water streams and sewer system.

Safety Data Sheet

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

Consumer exposure controls:

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

Division state	
Physical state	: Liquid
Colour	: Not available
Appearance	: Whitish opaque liquid.
Odour	: Aliphatic odour.
Odour threshold	: Not available
Melting point	: <5°C
Freezing point	: Not available
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	: Not flammable.
Auto-ignition temperature	: Not available
Decomposition temperature	: > 150 °C
рН	: 5 – 8.5 (5 g/L)
Viscosity, kinematic	: > 20.5 mm²/s (40 °C)
Viscosity, dynamic	: < 2000 cP
Solubility	: Water soluble. Product solubility limit depend on dissolution conditions (concentration, pH,
	temperature, preparation system - agitation).
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 2.3 kPa (20 °C)
Vapour pressure at 50 °C	: Not available
Density	: 1 – 1.2 g/cm ³
Relative density	: Not available
Relative vapour density at 20 °C	: 0.804 (20 °C)
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.

10.2. Chemical stability

Stable under normal handling and storage conditions.

Safety Data Sheet

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

10.3. Possibility of hazardous reactions

No dangerous reaction known.

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.

CECTION 44. Toxicological information		
SECTION 11: Toxicological information		
11.1. Information on hazard classes as defi	ned in Regulation (EC) No 1272/2008	
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	 Not classified Not classified The product is not expected to be toxic by inhalation. 	
Hyfloc LD910		
LD50 oral rat	> 5000 mg/kg (estimated value)	
LD50 dermal rat	> 5000 mg/kg (estimated value)	
LC50 Inhalation - Rat	The product is not expected to be toxic by inhalation.	
Hydrocarbons, C12-C15, n-alkanes, isoalca	ines <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 Serious eye damage/irritation	 Not irritating to skin pH: 5 – 8.5 (5 g/L) Not irritating to eyes. (OECD 437 method) pH: 5 – 8.5 (5 g/L) 	
Respiratory or skin sensitisation	: This product is not expected to be sensitizing.	
Germ cell mutagenicity Carcinogenicity	: Not mutagenic. : Not carcinogenic.	
Reproductive toxicity	: It is not toxic for reproduction	
Hydrocarbons, C12-C15, n-alkanes, isoalcanes <2%. aromatic		
NOAEL (animal/male, F0/P)	300 mg/kg (OCDE 421)	
STOT-single exposure STOT-repeated exposure Aspiration hazard	 No known effect. No known effect. No aspiration hazard is expected in normal use. 	
Hyfloc LD910		
Viscosity, kinematic	> 20.5 mm²/s (40 °C)	

Safety Data Sheet

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

11.2. Information on other hazards	
11.2.1. Endocrine disrupting properties Adverse health effects caused by endocrine disrupting properties	: No data available
11.2.2. Other information	
Potential adverse human health effects and symptoms	: No symptoms expected if the product is properly handled, No effects whatsoever related to exposure to the product are known, Through our experience and according to the information available, the product is not harmful to health if handled correctly according to the recommendations given.
Other information	: The most likely routes of exposure are skin and/or eye contact. Prolonged eye contact may cause temporary irritation. Flush eyes immediately. Follow the safety recommendations of paragraph 4.

SECTION 12: Ecological information	
12.1. Toxicity	
	Not classified
	No data available.
(chronic) Additional information :	At the habitual doses of this product no harm is expected for the microorganisms present in secondary treatments in waste water treatment plants.
Hyfloc LD910	
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, isoalcane	s <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 subcapiata, OECD 201 method)
NOEC chronic fish	> 1000 mg/l (Oncorhyncus 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 LD910		
Persistence and degradability This product is not rapidly biodegradable. This product does not hydrolyse.		
Hydrocarbons, C12-C15, n-alkanes, isoalcanes <2%. aromatic		
Persistence and degradability	This product is not rapidly biodegradable. This product does not hydrolyse.	

Safety Data Sheet

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

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 LD910		
Bioaccumulative potential	This is a high molecular weight, for this reason it will not permeate the membrane cell. There will be no bio-accumulation.	
Hydrocarbons, C12-C15, n-alkanes, isoalcanes <2%. aromatic		
Partition coefficient n-octanol/water (Log Pow)	3 - 6	
Isotridecanol, ethoxylated (69011-36-5)		
Partition coefficient n-octanol/water (Log Pow)	> 3	
12.4. Mobility in soil		
Hyfloc LD910		
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		
	Do not allow product to pass into sewers or waterways. Avoid penetration in ground.Evitar the solvent emission into the atmosphere.	

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 responsability of the final customer of the product. Furthermore, the user must consider the possible national/local regulations.
Additional information	: Keep the same recommendations provided in Sections 7 and 8 of this MSDS. 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) UN-No. (IMDG) UN-No. (IATA)	Not applicableNot applicableNot applicable	

Safety Data Sheet

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

according to Regulation (EC) No. 1907/2006 (REACH) w	
UN-No. (ADN) UN-No. (RID)	: Not applicable : Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID)	 Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable
14.3. Transport hazard class(es)	
ADR Transport hazard class(es) (ADR)	: Not applicable
IMDG Transport hazard class(es) (IMDG)	: Not applicable
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) Packing group (IMDG) Packing group (IATA) Packing group (ADN) Packing group (RID)	 Not applicable Not applicable Not applicable Not applicable Not applicable
14.5. Environmental hazards	
Dangerous for the environment Marine pollutant Other information	: No : No : 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	g to IMO instruments
Not applicable	

Safety Data Sheet

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

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 ≥ 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

: WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)
: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
: None of the components are listed
: None of the components are listed
: None of the components are listed
: None of the components are listed
: None of the components are listed

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Germ cell mutagenicity - comment	Modified	
	Adverse effects on the environment caused by endocrine disrupting properties	Added	
	Adverse health effects caused by endocrine disrupting properties	Added	
	Aspiration hazard - comment	Added	
	Acute toxicity (inhalation) - comment	Added	
	SDS EU format	Added	
	Issue date	Modified	
	Supersedes	Modified	
	Revision date	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added	
3	Composition/information on ingredients	Modified	
4.2	Symptoms/effects	Added	
5.2	Hazardous decomposition products in case of fire	Modified	
5.2	Fire hazard	Added	

Safety Data Sheet

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

Indication of changes			
Section	Changed item	Change	Comments
5.3	Precautionary measures fire	Modified	
6.1	Emergency procedures	Modified	
6.1	General measures	Added	
7.1	Precautions for safe handling	Modified	
7.2	Incompatible materials	Modified	
8.2	Appropriate engineering controls	Added	
8.2	Respiratory protection	Modified	
9	Density	Modified	
9	Appearance	Modified	
9.1	Viscosity, kinematic	Modified	
9.1	Freezing point	Added	
10.5	Incompatible materials	Modified	
10.6	Hazardous decomposition products	Modified	
11.1	LD50 oral rat	Modified	
12.1	EC50 72h algae (1)	Modified	
12.1	EC50 Daphnia 1	Modified	
12.1	LC50 fish 1	Modified	
12.2	Persistence and degradability	Modified	
13.1	Waste treatment methods	Modified	
15	Water hazard class (WGK)	Modified	
15.1	Water hazard class (WGK)	Added	
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/.

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.