Hyfloc FIC300

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 2/27/2023 Revision date: 2/27/2023 Supersedes version of: 5/22/2020 Version: 12.0

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

1.1. Product identifier

Product form : Mixture
Trade name : Hyfloc FIC300

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 : Process aid industrial applications

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:
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

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 : Spills produce extremely slippery surfaces.

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

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	20-30	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 : Go to the open air. In case of persistent trouble get medical attention and provide this Material Safety Data Sheet to your physician.

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.

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 : Do NOT induce vomiting. Get immediate medical advice/attention.

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

Symptoms/effects after inhalation : None expected.

Symptoms/effects after skin contact : None expected.

Symptoms/effects after eye contact : redness, itching, tears.

Symptoms/effects upon intravenous administration : Likely routes of exposure: skin and eye.

Chronic symptoms : None known.

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

Treat symptomatically. The main ingredients of the product are: hydrocarbon solvent, water, cationic polymer (soluble in water) and anionic and/or non-ionic surfactants. 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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, dry powder, carbon dioxide (CO2), foam.

Unsuitable extinguishing media : Jet of Water.

5.2. Special hazards arising from the substance or mixture

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

Firefighting instructions : Evacuate area. Eliminate all ignition sources if safe to do so. Prevent fire fighting water from entering the environment.

Protection during firefighting : Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

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.

Emergency procedures : 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.

6.1.2. 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.

Emergency procedures : 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.

6.2. 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 : Handle product in areas with suitable conditions and equipment. Foresee the possibility of a spill and take preventive measures, including: having absorbent material nearby, establish working conditions (racking circuit arrangement, valve position, clearwork area, etc..) to avoid that, in case of spillage, contamination of collectors, water courses or soil occurs.

Handling temperature : 5 – 30 °C

Hygiene measures : Use normal personal hygiene and housekeeping measures when handling any chemical product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Avoid extreme temperatures (below "Minimum temperature" and above "Maximum temperature"). Keep in a covered place, with the drum well closed and within the "Recommended temperature range".

Storage conditions : Store in a well ventilated and cool place, away from heat and frost, in closed containers in accordance with safety standards. Instruct as storage standards.

Storage temperature : 0 – 35 °C

7.3. Specific end use(s)

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

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/m³
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA) [1]	200 mg/m³
VLA-EC (OEL STEL)	10 mg/m³

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:
You should always have a safety shower and eyewash in the area where the product is handled.

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

Hand protection:
Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

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. Safety foot-wear

8.2.2.3. Respiratory protection

Respiratory protection:
No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Whitish opaque liquid.
Appearance	:	Whitish opaque liquid.
Odour	:	Aliphatic odour.
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	> 100 °C
Flammability	:	Not available
Explosive limits	:	Not available
Lower explosive limit (LEL)	:	Not available
Upper explosive limit (UEL)	:	Not available
Flash point	:	does not ignite
Auto-ignition temperature	:	Not available
Decomposition temperature	:	> 150 °C
pH	:	Not available
pH solution	:	5 (4 – 6) g/l
Viscosity, kinematic	:	> 20.5 mm²/s (40ºC)
Viscosity, dynamic	:	≤ 2000 cP
Solubility	:	Completely miscible.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	2.3 kPa (20ºC)
Vapour pressure at 50 °C	:	Not available
Density	:	Not available
Relative density	:	1 – 1.2
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.

10.2. Chemical stability

Stable under normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Strong oxidizers may cause exothermic reactions.

10.4. Conditions to avoid

Flames and sources of ignition. Temperatures below -5 oC.

10.5. Incompatible materials

Strong acids and bases, oxidizing agents, copper,iron and silver salts.

10.6. Hazardous decomposition products

None under normal conditions. In case of fire can generate hazardous decomposition products such as carbon monoxide and dioxide, fume and oxides of nitrogen.

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) : Not classified

Hyfloc FIC300	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg

Hydrocarbons, C12-C15, n-alkanes, isoalcanes <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 classified
Serious eye damage/irritation : Not classified (Not irritant. (OECD 437 method))
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified

Hydrocarbons, C12-C15, n-alkanes, isoalcanes <2%. aromatic	
NOAEL (animal/male, F0/P)	300 mg/kg (OCDE 421)

STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

Hyfloc FIC300	
Viscosity, kinematic	> 20.5 mm²/s (40°C)

11.2. Information on other hazards

No additional information available

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) : Not classified

Hyfloc FIC300	
LC50 - Fish [1]	10 – 100 mg/l (Results obtained on a similar product)
EC50 - Crustacea [1]	10 – 100 mg/l (Results obtained on a similar product)

Hydrocarbons, C12-C15, n-alkanes, isoalcanes <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 FIC300	
Persistence and degradability	Abiotic degradation: Hydrolysis> 70% (28 days, pH 6-8). The products of hydrolysis are not harmful to aquatic organisms.

Hydrocarbons, C12-C15, n-alkanes, isoalcanes <2%. aromatic	
Persistence and degradability	This product is not rapidly biodegradable. This product does not hydrolyse.

Isotridecanol, ethoxylated (69011-36-5)	
Persistence and degradability	This product is rapidly biodegradable. This product does not hydrolyse.
Biodegradation	> 60 % (OECD 301B method)

12.3. Bioaccumulative potential

Hyfloc FIC300	
Bioaccumulative potential	The product is not expected to bioaccumulate.

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

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

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Residues must not be discharged into the sewage system and water conduits. Incinerate through a Licensed Site. Dispose of in accordance with Local Authority Regulations. Empty containers and residual product must not be washed out with water, this would provoke an inappropriate dissolution of the product and it would increase the amount of waste to dispose. Exhaust as much as possible the product and dispose the empty container taking into account Section 13.1.

Additional information : Keep the same recommendations provided in Sections 7 and 8 of this MSDS.

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

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 ≥ 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) : Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV)
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

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**
	Supersedes	Modified	
	Issue date	Modified	
	Revision date	Modified	
	SDS EU format	Added	

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.