derypol

HYSUAU AQ1300

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 2/21/2024 Revision date: 2/21/2024 Supersedes version of: 2/24/2023 Version: 3.0

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

Product form Trade name	: Mixture : HYSUAU AQ1300
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	 Product for textile industry Product for detergency
1.2.2. Uses advised against No additional information available	
1.3. Details of the supplier of the	safety data sheet
Manufacturer 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
SECTION 2: Hazards identific 2.1. Classification of the substan	
	n (EC) No. 1272/2008 [CLP] — Chronic Hazard, H412
2.1. Classification of the substan Classification according to Regulatio Hazardous to the aquatic environment – Category 3	n (EC) No. 1272/2008 [CLP] – Chronic Hazard, H412 section 16
2.1. Classification of the substan Classification according to Regulatio Hazardous to the aquatic environment – Category 3 Full text of H and EUH statements: see Adverse physicochemical, human he	n (EC) No. 1272/2008 [CLP] – Chronic Hazard, H412 section 16
2.1. Classification of the substan Classification according to Regulatio Hazardous to the aquatic environment – Category 3 Full text of H and EUH statements: see Adverse physicochemical, human he No additional information available	n (EC) No. 1272/2008 [CLP] – Chronic Hazard, H412 section 16 alth and environmental effects
2.1. Classification of the substan Classification according to Regulatio Hazardous to the aquatic environment – Category 3 Full text of H and EUH statements: see Adverse physicochemical, human he No additional information available 2.2. Label elements Labelling according to Regulation (EU Signal word (CLP) Hazard statements (CLP)	ce or mixture n (EC) No. 1272/2008 [CLP] – Chronic Hazard, H412 section 16 alth and environmental effects C) No. 1272/2008 [CLP]

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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

Safety Data Sheet

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

Component	
Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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	White mineral oil (8042-47-5), Alcohols, C10-15, ethoxylated propoxylated (68551-13-3)

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]
White mineral oil	CAS-No.: 8042-47-5 EC-No.: 232-455-8 REACH-no: 01-2119487078- 27	25-<30	Asp. Tox. 1, H304
Hydrocarbons, C10-C12, iso-alkanes, <2% aromatics	CAS-No.: Non-applicable EC-No.: 923-037-2 EC Index-No.: Non applicable REACH-no: 01-2119471991- 29	3- <5	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Alcohols, C10-15, ethoxylated propoxylated	CAS-No.: 68551-13-3	0,5 - <1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400
Phosphoric acid substance with national workplace exposure limit(s) (ES); substance with a Community workplace exposure limit	CAS-No.: 7664-38-2 EC-No.: 231-633-2 EC Index-No.: 015-011-00-6 REACH-no: 01-2119485924- 24	0.001-<0.01	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Phosphoric acid	CAS-No.: 7664-38-2 EC-No.: 231-633-2 EC Index-No.: 015-011-00-6 REACH-no: 01-2119485924- 24	(10 ≤ C < 25) Eye Irrit. 2, H319 (10 ≤ C < 25) Skin Irrit. 2, H315 (25 ≤ C < 100) Skin Corr. 1B, H314

Full text of H and EUH statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Beware of possible existing spills of product. See previously the Safety Data Sheet and act accordingly.
First-aid measures after inhalation	: In case of trouble go to the open air.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACI	H) with its amendment Regulation (EU) 2020/878
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 without medical advice. If conscious washout mouth and give one glass of water to drink. Get medical assistance.
4.2. Most important symptoms and eff	ects, both acute and delayed
Symptoms/effects Symptoms/effects after inhalation	 Not expected to present a significant hazard under anticipated conditions of normal use. None expected.

- : None expected.
- Symptoms/effects after skin contact : None expected.
 - : It causes itching and redness.
 - : Gastrointestinal discomfort. Repeated ingestion of the product is considered highly unlikely route of exposure if working in adequate sanitary and hygiene conditions. : None known.

Chronic symptoms

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

No additional information available

Symptoms/effects after eye contact

Symptoms/effects after ingestion

SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media	: Water, water spray, dry powder, carbon dioxide (CO2), foam.			
5.2. Special hazards arising from the substance or mixture				
Fire hazard Explosion hazard Reactivity in case of fire Hazardous decomposition products in case of fire	 Not flammable. None known. On burning: release of (highly) toxic gases/vapours. Under fire conditions thermal decomposition may produce: nitrogen oxides (NOx) and carbon oxides (COx). 			
5.3. Advice for firefighters				
Precautionary measures fire Firefighting instructions Protection during firefighting	 Stop leak if safe to do so. Fight fire with normal precautions from a reasonable distance. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. 			

SECTION 6: Accidental release measures			
6.1. Personal precautions, protect	ve equipment and emergency procedures		
6.1.1. For non-emergency personnel			
Emergency procedures	: Do not step on the spill and avoid contact with water. The affected area, in contact with water, will become extremely slippery.		
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 release to the environment. Avoid the ground to be contaminated, natural water courses and wastewater drainage. If contamination occurs inform the corresponding authorities immediately.

Safety Data Sheet

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

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material. 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 store	age
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. Use normal personal hygiene and housekeeping measures when handling any chemical product.
Handling temperature	: 5 – 35
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, in	ncluding any incompatibilities
Technical measures	: ITC (R.D.656/2017): MIE-APQ-1 (Classification C).
Storage conditions	: 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".
Incompatible products	: oxidizing materials.
Storage temperature	: 5 – 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

Phosphoric acid (7664-38-2)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	1	
IOEL STEL	2 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

Safety Data Sheet

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

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Natural ventilation is adequate in open areas. Provide mechanical ventilation in confined spaces. Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses with side-shields. Safety glasses

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

Hand protection:

Use latex gloves, or natural rubber gloves

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

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. Avoid release to the environment.

Other information:

You should always have a safety shower and eyewash in the area where the product is handled. 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. 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	:	white.
Appearance	:	White emulsion.
Odour	:	Characteristic Odour.
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	212 °C
Flammability	:	Not available
Lower explosion limit	:	Not available

Safety Data Sheet

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

Upper explosion limit	: Not available
Flash point	: 75 °C
Auto-ignition temperature	: 330 °C
Decomposition temperature	: Not available
pH	: 3-5(1%)
Viscosity, kinematic	: 459 – 463 mm²/s
Viscosity, dynamic	: 200 – 2000 cP
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 1744 Pa
Vapour pressure at 50 °C	: 92 hPa
Density	: 1 – 1.1 g/cm³
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle characteristics	: 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

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None for safety reasons. For keeping the original properties of the product follow the recommendations given in Section 7.

10.5. Incompatible materials

oxidizing materials.

10.6. Hazardous decomposition products

None under normal conditions. 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

	Not classified Not classified
Acute toxicity (inhalation) :	Not classified
White mineral oil (8042-47-5)	
LD50 oral rat	5100 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 20 mg/l

Safety Data Sheet

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

Alcohols, C10-15, ethoxylated propoxyl	Alcohols, C10-15, ethoxylated propoxylated (68551-13-3)		
LD50 oral rat	2700 mg/kg		
Phosphoric acid (7664-38-2)			
LD50 oral rat	1530 mg/kg		
LD50 dermal rabbit	2740 mg/kg		
LC50 Inhalation - Rat	25.5 mg/kg		
Skin corrosion/irritation	: Not classified pH: 3 – 5 (1%)		
Phosphoric acid (7664-38-2)			
рН	0		
Serious eye damage/irritation	: Not classified pH: 3 – 5 (1%)		
Phosphoric acid (7664-38-2)			
рН	0		
Respiratory or skin sensitisation	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Reproductive toxicity	: Not classified		
STOT-single exposure	: Not classified		
STOT-repeated exposure	: Not classified		
Aspiration hazard	: Not classified		
HYSUAU AQ1300			
Viscosity, kinematic	459 – 463 mm²/s		
White mineral oil (8042-47-5)			
Viscosity, kinematic	< 20.5 mm²/s (40 °C)		
11.2. Information on other hazards			
11.2.1. Endocrine disrupting properties			
No additional information 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.

SECTION 12: Ecological information			
12.1. Toxicity			
(acute)	Not classified Harmful to aquatic life with long lasting effects.		
Alcohols, C10-15, ethoxylated propoxylated (6	8551-13-3)		
LC50 - Fish [1]	0.1 – 1 mg/l		
EC50 - Other aquatic organisms [1]	0.1 – 1 mg/l		
EC50 72h - Algae [1]	0.1 – 1 mg/l		

Safety Data Sheet

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

Phosphoric acid (7664-38-2)		
LC50 - Fish [1]	75.1 mg/l (Oryzias latipes)	
EC50 - Crustacea [1]	> 100 mg/l (Daphnia magna)	
ErC50 algae	> 100 mg/l (Desmodesmus subspicatus)	
12.2. Persistence and degradability		
HYSUAU AQ1300		
Persistence and degradability	No data available.	
Hydrocarbons, C10-C12, iso-alkanes, <2% are	omatics (Non-applicable)	
Persistence and degradability	Rapidly degradable	
White mineral oil (8042-47-5)		
Persistence and degradability	Rapidly degradable	
Alcohols, C10-15, ethoxylated propoxylated (68551-13-3)	
Persistence and degradability	Rapidly degradable	
Phosphoric acid (7664-38-2)		
Persistence and degradability	Rapidly degradable	
12.3. Bioaccumulative potential		
HYSUAU AQ1300		
Bioaccumulative potential	No data available.	
12.4. Mobility in soil		
No additional information available		
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	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.	
12.7. Other adverse effects		
Other adverse effects :	None to mention.	
SECTION 13: Disposal considerations		

13.1.	Waste	treatment	method

Additional information

: Keep the same recommendations provided in Sections 7 and 8 of this MSDS. Refer to Section 2 of this Safety Data Sheet.

SECTION 14: Transport information

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

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Safety Data Sheet

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

UNA.0. (JACR) : Not applicable UNA.0. (UATA) : Not applicable H2.2. UN proper shipping name : Not applicable Proper Shipping Name (ADR) : Not applicable Proper Shipping Name (ATA) : Not applicable Proper Shipping Name (ATA) : Not applicable Proper Shipping Name (ADR) : Not applicable Transport hazard class(es) (MDC) : Not applicable MOG : : Not applicable Transport hazard class(es) (ADR) : Not applicable ADN : : Not applicable Transport hazard class(es) (ADN) : Not applicable Packing group (ADR) : Not applicable </th <th>14.1. UN number or ID number</th> <th></th>	14.1. UN number or ID number	
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Packing group (IMDG) : Not applicable Packing group (ATA) : Not applicable Packing group (ADN) : Not applicable Packing group (RID) : Not applicable 14.5. Environmental hazards Other information : No supplementary information available 14.6. Special precautions for user 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 Air transport Not applicable Inland waterway transport in bulk according to IMO instruments	14.4. Packing group	
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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	Other information	: No supplementary information available
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	14.6. Special precautions for user	
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	14.7. Maritime transport in bulk accordin Not applicable	ng to IMO instruments

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

REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)

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

PIC Regulation (Prior Informed Consent)

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.

POP Regulation (Persistent Organic Pollutants)

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

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

The product should be considered a mixture. Given its classification is not necessary to perform a chemical safety assessment thereof. No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section Changed item		Change	Comments
	Supersedes	Modified	
	Issue date	Modified	
	Revision date	Modified	
	SDS EU format	Added	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added	
2.2	Hazard statements (CLP)	Added	
2.2	Precautionary statements (CLP)	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
3	Composition/information on ingredients	Modified	
7.2	Technical measures	Added	

Abbreviations and acronyms:		
	REACH EC 1907/2006 regulation. Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals. CLP: Classification, Labelling and Packaging. EC Regulation 1272/2008. DNEL: Derived No Effect Level. PNEC: Predicted No Effect Concentration. PBT: Persistent, Bioaccumulative and Toxic. vPvB: very Persistent and very Bioaccumulative.	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
IARC	International Agency for Research on Cancer	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC50	Median effective concentration	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
vPvB	Very Persistent and Very Bioaccumulative	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
TLM	Median Tolerance Limit	

Other information

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

Safety Data Sheet

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

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2	
Asp. Tox. 1	Aspiration hazard, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
H226	Flammable liquid and vapour.	
H290	May be corrosive to metals.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H319	Causes serious eye irritation.	
H400	Very toxic to aquatic life.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
Met. Corr. 1	Corrosive to metals, Category 1	
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A	
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: Aquatic Chronic 3 H412 Calculation method

Safety Data Sheet applicable for regions

: GB

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.