



## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

### SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name : OWATROL AQUADECKS  
Product code : AQD01.  
(All tones)

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

Paint and varnish

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

Registered company name : DURIEU S.A..  
Address : Z.I. "La Marinière" 2 bis, rue Charles de Gaulle.91070.BONDOUFLE.FRANCE.  
Telephone : + 33 (0)1.60.86.48.70. Fax : + 33 (0)1.60.86.84.84.  
info@durieu.com  
www.durieu.com

#### 1.4. Emergency telephone number : + 33 (0)1.45.42.59.59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

#### Other emergency numbers

UNITED KINGDOM :UK National poisons emergency number: +44 (0) 870 600 6266 IRELAND, EIRE: Ireland National Poisons Information  
Centre: +353 (0) 1 8379964 AUSTRALIA: Poison Information Centre: 131 126 NEW ZEALAND: Poison Information Centre 0 800 764 766:

### SECTION 2 : HAZARDS IDENTIFICATION

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

##### In compliance with EC regulation No. 1272/2008 and its amendments.

May produce an allergic reaction (EUH208).  
Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).  
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

#### 2.2. Label elements

Mixture for spray application.

##### In compliance with EC regulation No. 1272/2008 and its amendments.

Additional labeling :  
EUH208 Contains 3-iodo-2-propynyl butylcarbamate (IPBC). May produce an allergic reaction.  
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.  
EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

##### Hazard statements :

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements - General :

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

##### Precautionary statements - Prevention :

P260 Do not breathe dust vapours.

P262 Do not get in eyes, on skin, or on clothing.

P273 Avoid release to the environment.

##### Precautionary statements - Response :

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

##### Precautionary statements - Disposal :

P501 Dispose of contents / container in a waste collection point.

#### 2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>  
The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contains substances > = 0.1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

##### Composition :

Identification	(EC) 1272/2008	Note	%
INDEX: PCP226 CAS: 57-55-6 EC: 200-338-0 REACH: 01-2119456809-23  PROPANE-1,2-DIOL		[1]	0 <= x % < 2.5
INDEX: 603-014-00-0 CAS: 111-76-2 EC: 203-905-0  2-BUTOXYETHANOL	GHS07 Wng Acute Tox. 4, H332 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]	0 <= x % < 2.5
INDEX: 061 CAS: 55406-53-6 EC: 259-627-5 REACH: 01-2120762115-60  3-iodo-2-propynyl butylcarbamate (IPBC)	GHS06, GHS05, GHS09, GHS08 Dgr Acute Tox. 4, H302 Skin Sens. 1, H317 Eye Dam. 1, H318 Acute Tox. 3, H331 STOT RE 1, H372 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[1]	0 <= x % < 0.5
INDEX: 199 CAS: 2634-33-5 EC: 220-120-9 REACH: 01-2120761540-60  1,2-benzisothiazol-3(2H)-one	GHS07, GHS05, GHS09 Dgr Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 1		0 <= x % < 0.05
INDEX: 613-167-00-5 CAS: 55965-84-9  REACTION MASS OF 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H301 Acute Tox. 2, H310 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Acute Tox. 2, H330 Aquatic Acute 1, H400 M Acute = 100 Aquatic Chronic 1, H410 M Chronic = 100 EUH:071	B	0 <= x % < 0.05

##### Specific concentration limits:

Identification	Specific concentration limits	ATE
INDEX: PCP226 CAS: 57-55-6 EC: 200-338-0 REACH: 01-2119456809-23		oral: ATE = 22000 mg/kg BW

PROPANE-1,2-DIOL INDEX: 603-014-00-0 CAS: 111-76-2 EC: 203-905-0		oral: ATE = 1200 mg/kg BW
2-BUTOXYETHANOL INDEX: 061 CAS: 55406-53-6 EC: 259-627-5 REACH: 01-2120762115-60		oral: ATE = 1056 mg/kg BW
3-iodo-2-propynyl BUTYLCARBAMATE (IPBC) INDEX: 199 CAS: 2634-33-5 EC: 220-120-9 REACH: 01-2120761540-60	Skin Sens. 1: H317 C $\geq$ 0.05%	oral: ATE = 597 mg/kg BW
1,2-BENZISOTHIAZOL-3(2H)-ONE INDEX: 613-167-00-5 CAS: 55965-84-9  REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL -3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)	Skin Corr. 1C: H314 C $\geq$ 0.6% Skin Irrit. 2: H315 0.06% $\leq$ C < 0.6%  Eye Dam. 1: H318 C $\geq$ 0.6% Eye Irrit. 2: H319 0.06% $\leq$ C < 0.6% Skin Sens. 1A: H317 C $\geq$ 0.0015%	

 **Information on ingredients :**

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

**SECTION 4 : FIRST AID MEASURES**


As a general rule, in case of doubt or if symptoms persist, always call a doctor.  
NEVER induce swallowing by an unconscious person.

 **4.1. description of first aid measures****In the event of exposure by inhalation :**

In the event of an allergic reaction, seek medical attention.  
If a large quantity is inhaled, move the patient to the fresh air.

**In the event of splashes or contact with skin :**

In the event of an allergic reaction, seek medical attention.  
Wash thoroughly with soft clean water.

 **In the event of swallowing :**

Seek medical attention, showing the label.

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

No data available.

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

No data available.

**SECTION 5 : FIREFIGHTING MEASURES**

This product is not classed as flammable.

**5.1. Extinguishing media** **Suitable methods of extinction**

In the event of a fire, use :  
- sprayed water or water mist  
- foam  
- multipurpose ABC powder  
- BC powder  
- carbon dioxide (CO<sub>2</sub>)

- water with AFFF (Aqueous Film Forming Foam) additive
- dry chemical agents

#### Unsuitable methods of extinction

Direct water jet.

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

#### 5.3. Advice for firefighters

No data available.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

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

Consult the safety measures listed under headings 7 and 8.

#### For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

#### 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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

Clean preferably with a detergent, do not use solvents.

#### 6.4. Reference to other sections

No data available.

## SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.



#### 7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.



#### Fire prevention :

Prevent access by unauthorised personnel.



#### Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

#### Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

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

No data available.



#### Storage

Keep out of reach of children.

#### Packaging

Always keep in packaging made of an identical material to the original.

Recommended types of packaging :

- Vats
- Buckets

Suitable packaging materials :

- Coated steel

Unsuitable packaging materials :

- Steel
- Metal

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

No data available.

## SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1. Control parameters****Occupational exposure limits :**

- European Union (2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m <sup>3</sup> :	VME-ppm :	VLE-mg/m <sup>3</sup> :	VLE-ppm :	Notes :
111-76-2	98	20	246	50	Peau

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
111-76-2	20 ppm			A3; BEI	

- Germany - AGW (BAuA - TRGS 900, 08/08/2019) :

CAS	VME :	VME :	Excess	Notes
111-76-2		10 ppm 49 mg/m <sup>3</sup>		2(l)
55406-53-6		0.005 ppm 0.058 mg/m <sup>3</sup>		2 (l)

- France (INRS - ED984 / 2020-1546) :

CAS	VME-ppm :	VME-mg/m <sup>3</sup> :	VLE-ppm :	VLE-mg/m <sup>3</sup> :	Notes :	TMP No :
111-76-2	10	49	50	246	*	84

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
57-55-6	10 mg/m <sup>3</sup>				
111-76-2	25 ppm 123 mg/m <sup>3</sup>	50 ppm 246 mg/m <sup>3</sup>		Sk. BMGV	

**8.2. Exposure controls****Personal protection measures, such as personal protective equipment**

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

**- Hand protection**

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

**- Body protection**

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

**- Respiratory protection**

Category :

- FFP2

Type of mask with combined filters :

Wear a half mask in accordance with standard EN140.

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A2 (Brown)
- AX (Brown)

Particle filter according to standard EN143 :

- P2 (White)

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****Physical state**

Physical state :	Fluid liquid.
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 <b>Colour</b>	Unspecified
 <b>Odour</b>	
Odour threshold :	Not stated.
 <b>Melting point</b>	
Melting point/melting range :	Not specified.
 <b>Freezing point</b>	
Freezing point / Freezing range :	Not stated.
 <b>Boiling point or initial boiling point and boiling range</b>	
Boiling point/boiling range :	Not specified.
 <b>Flammability</b>	
Flammability (solid, gas) :	Not stated.
 <b>Lower and upper explosion limit</b>	
Explosive properties, lower explosivity limit (%) :	Not stated.
Explosive properties, upper explosivity limit (%) :	Not stated.
 <b>Flash point</b>	
Flash point interval :	Not relevant.
 <b>Auto-ignition temperature</b>	
Self-ignition temperature :	Not relevant.
 <b>Decomposition temperature</b>	
Decomposition point/decomposition range :	Not specified.
 <b>pH</b>	
pH :	8.50 .
	Slightly basic.
 <b>Kinematic viscosity</b>	
Viscosity :	Not stated.
 <b>Solubility</b>	
Water solubility :	Dilutable.
Fat solubility :	Not stated.
 <b>Partition coefficient n-octanol/water (log value)</b>	
Partition coefficient: n-octanol/water :	Not stated.
 <b>Vapour pressure</b>	
Vapour pressure (50°C) :	Not relevant.
 <b>Density and/or relative density</b>	
Density :	1.015 +/- 0.006
 <b>Relative vapour density</b>	
Vapour density :	>1
 <b>9.2. Other information</b>	
VOC (g/l) :	40
% VOC :	< 4 %
 <b>9.2.1. Information with regard to physical hazard classes</b>	No data available.
 <b>9.2.2. Other safety characteristics</b>	No data available.

## SECTION 10 : STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Avoid :  
- frost

### 10.5. Incompatible materials

No data available.

#### 10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

## SECTION 11 : TOXICOLOGICAL INFORMATION



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

No data available.

#### 11.1.1. Substances



##### Acute toxicity :

1,2-BENZISOTHIAZOL-3(2H)-ONE (CAS: 2634-33-5)

Oral route :

LD50 = 597 mg/kg

Species : Rat

OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)

Dermal route :

LD50 > 2000 mg/kg

Species : Rat

OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)

3-IODO-2-PROPYNYL BUTYLCARBAMATE (IPBC) (CAS: 55406-53-6)

Oral route :

LD50 = 1056 mg/kg

Species : Rat

OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)

Dermal route :

LD50 > 2000 mg/kg

Species : Rat

OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)

2-BUTOXYETHANOL (CAS: 111-76-2)

Oral route :

LD50 = 1200 mg/kg

PROPANE-1,2-DIOL (CAS: 57-55-6)

Oral route :

LD50 = 22000 mg/kg

Species : Rat

Dermal route :

LD50 > 2000 mg/kg

Species : Rabbit

Inhalation route (Dusts/mist) :

LC50 > 315642 mg/l

Species : Rabbit

##### Respiratory or skin sensitisation :

PROPANE-1,2-DIOL (CAS: 57-55-6)

Local lymph node stimulation test :

Non-Sensitiser.

Species : Rabbit

OCDE Ligne directrice 406 (Sensibilisation de la peau)

OCDE Ligne directrice 406 (Sensibilisation de la peau)

OCDE Ligne directrice 406 (Sensibilisation de la peau)

#### 11.1.2. Mixture

##### Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

##### Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 79-10-7 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 67-63-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 111-76-2 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

**SECTION 12 : ECOLOGICAL INFORMATION**

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

**12.1. Toxicity****12.1.1. Substances**

1,2-BENZISOTHIAZOL-3(2H)-ONE (CAS: 2634-33-5)

Fish toxicity : LC50 = 0.74 mg/l  
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 2.44 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h

3-IODO-2-PROPYNYL BUTYLCARBAMATE (IPBC) (CAS: 55406-53-6)

Fish toxicity : LC50 = 0.067 mg/l  
Species : Others  
Duration of exposure : 96 h

NOEC = 0.0084 mg/l  
Factor M = 1  
Species : Pimephales promelas  
Duration of exposure : 35 jours

Crustacean toxicity : EC50 = 0.16 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h

EC50 mg/l  
Species : Daphnia magna  
Duration of exposure : 21 jours

Species : Others

Algae toxicity : ECr50 = 0.022 mg/l  
Species : Scenedesmus subspicatus  
Duration of exposure : 72 h

NOEC = 0.0046 mg/l  
Factor M = 1  
Species : Scenedesmus subspicatus

PROPANE-1,2-DIOL (CAS: 57-55-6)

Fish toxicity : LC50 = 40613 mg/l  
Species : Oncorhynchus mykiss  
Duration of exposure : 96 h  
OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)

Crustacean toxicity : EC50 = 18340 mg/l  
Species : Ceriodaphnia dubia  
Duration of exposure : 48 h  
OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate)

Algae toxicity : ECr50 = 19000 mg/l  
Species : Pseudokirchnerella subcapitata  
Duration of exposure : 96 h  
OCDE Ligne directrice 201 (Algues, Essai d'inhibition de la croissance)

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

Insufficient data.

**12.2.1. Substances**



1,2-BENZISOTHIAZOL-3(2H)-ONE (CAS: 2634-33-5)

Biodegradability : Rapidly degradable.

3-iodo-2-propynyl butylcarbamate (IPBC) (CAS: 55406-53-6)

Biodegradability : Rapidly degradable.

PROPANE-1,2-DIOL (CAS: 57-55-6)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

### 12.3. Bioaccumulative potential

#### 12.3.1. Substances

1,2-BENZISOTHIAZOL-3(2H)-ONE (CAS: 2634-33-5)

Octanol/water partition coefficient : log K<sub>ow</sub> = 0.4

Bioaccumulation : BCF = 1.4

3-iodo-2-propynyl butylcarbamate (IPBC) (CAS: 55406-53-6)

Octanol/water partition coefficient : log K<sub>ow</sub> = 2.81

### 12.4. Mobility in soil

Contains a solid phase.

### 12.5. Results of PBT and vPvB assessment

No data available.

### 12.6. Endocrine disrupting properties

No data available.

### 12.7. Other adverse effects

No data available.

## SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

### 13.1. Waste treatment methods

Do not pour into drains or waterways.

#### Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

#### Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

#### Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :

08 01 11 \* waste paint and varnish containing organic solvents or other dangerous substances

15 01 10 \* packaging containing residues of or contaminated by dangerous substances

## SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

### 14.1. UN number or ID number

-

### 14.2. UN proper shipping name

-

### 14.3. Transport hazard class(es)

-

### 14.4. Packing group

-

### 14.5. Environmental hazards

-

### 14.6. Special precautions for user

 **SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture** - **Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/643 (ATP 16)
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/849 (ATP 17)

**- Container information:**

No data available.

 - **Labelling for VOCs present in varnishes, paints and in vehicle refinishing products (2004/42/EC) :**

The permitted European level of VOC in this ready-to-use product is limited to 40 g/l.

The permitted European levels of VOC in the ready-to-use product (category IIAf) are 150 g/l maximum in 2007 and 130 g/l maximum in 2010.

**- Particular provisions :**

No data available.

**15.2. Chemical safety assessment**

No data available.


**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.


The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

 **Wording of the phrases mentioned in section 3 :**

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

 **Abbreviations :**

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

EC50 : The effective concentration of substance that causes 50% of the maximum response.

ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.

NOEC : The concentration with no observed effect.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

ATE : Acute Toxicity Estimate

BW : Body Weight

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.