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 : BUILDING MORTIER GF

Product code : 304190

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

1.3. Details of the supplier of the safety data sheet

Registered company name : IPC.

Address : 10 QUAI MALBERT - CS 71821.29218.BREST.FRANCE.

Telephone : 02-98-80-91-73. Fax : .

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

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

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Organic peroxide, Type D (Org. Perox. D, H242).

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

2.2. Label elements

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

Hazard pictograms :

GHS02 GHS07 GHS09

Signal Word :

DANGER

Product identifiers :

607-035-00-6	METHYL METHACRYLATE
EC 203-080-7	ACRYLATE DE 2-ÉTHYLHEXYLE
EC 218-218-1	DIMÉTHACRYLATE DE 1,4-BUTANEDIOL
EC 202-327-6	DIBENZOYL PEROXIDE

Hazard statements :

H242	Heating may cause a fire.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements - Prevention :

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234	Keep only in original packaging.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothings and protection equipment of eyes.

Precautionary statements - Response :

P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage.

Precautionary statements - Storage :	
P403	Store in a well-ventilated place.
P410	Protect from sunlight.
P411 + P235	Store at temperatures not exceeding 30.00 °C/86.00 °F. Keep cool.
P420	Store separately.
Precautionary statements - Disposal :	
P501	Eliminate the contents / bowl according to the regulations in force.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 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: 0088 CAS: 14808-60-7 EC: 238-878-4 QUARTZ ALPHA		[1]	50 <= x % < 100
INDEX: 607-035-00-6 CAS: 80-62-6 EC: 201-297-1 METHYL METHACRYLATE	GHS02, GHS07 Dgr Flam. Liq. 2, H225 STOT SE 3, H335 Skin Irrit. 2, H315 Skin Sens. 1, H317	D [1]	2.5 <= x % < 10
INDEX: 0289 CAS: 103-11-7 EC: 203-080-7 REACH: 01-2119453158-37-0000 ACRYLATE DE 2-ÉTHYLHEXYLE	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 STOT SE 3, H335 Aquatic Chronic 3, H412	[1]	2.5 <= x % < 10
INDEX: 2082_81_7 CAS: 2082-81-7 EC: 218-218-1 REACH: 01-2119967415-30-0000 DIMÉTHACRYLATE DE 1,4-BUTANEDIOL	GHS07 Wng Skin Sens. 1B, H317		0 <= x % < 2.5
INDEX: 94_36_0 CAS: 94-36-0 EC: 202-327-6 REACH: 01-2119511472-50 DIBENZOYL PEROXIDE	GHS07, GHS09, GHS01, GHS02 Dgr 241.P Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Acute 1, H400 M Acute = 10 Aquatic Chronic 1, H410 M Chronic = 10	[1]	0 <= x % < 2.5
INDEX: 612-056-00-9 CAS: 99-97-8 EC: 202-805-4 N,N-DIMETHYL-P-TOLUIDINE	GHS06, GHS08 Dgr Acute Tox. 3, H331 Acute Tox. 3, H311 Acute Tox. 3, H301 STOT RE 2, H373 Aquatic Chronic 3, H412	C	0 <= x % < 2.5

INDEX: 0286 CAS: 38668-48-3 EC: 254-075-1 REACH: 01-2119980937-17-0000 N,N-BIS-(2-HYDROXYPROPYL)-P-TOLUIDINE	GHS06 Dgr Acute Tox. 2, H300 Eye Irrit. 2, H319 Aquatic Chronic 3, H412		0 <= x % < 2.5

Specific concentration limits:

Identification	Specific concentration limits	ATE
INDEX: 0286 CAS: 38668-48-3 EC: 254-075-1 REACH: 01-2119980937-17-0000 N,N-BIS-(2-HYDROXYPROPYL)-P-TOLUIDINE		oral: ATE = 25 mg/kg BW

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 splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

In the event of an allergic reaction, seek medical attention.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, 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

Flammable.

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

In the event of a fire nearby a peroxide storage area, evacuate the warehouse and move the peroxide containers to a safe place.

If this is not possible, the warehouse needs to be sprayed to prevent stock from heating and fire from spreading.

Suitable methods of extinction

In the event of a fire, use :

- water

In the event of a fire, use water except when fighting a fire caused by sodium peroxide where anhydrous sodium carbonate or dry sand should be used.

Carbon dioxide or dry powder extinguishers can be used if the fire is in its initial phase.

Prevent the effluent of fire-fighting measures from entering drains or waterways.

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 (CO2)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

In the event of fire, all personnel handling the fire must wear protective clothing and independent breathing apparatus.

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 non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

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

6.2. Environmental precautions

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

Use an inert, non-combustible substance that will absorb the peroxide : vermiculite, perlite, etc.

Spread the product with water or suitable solvent (ethyl acetate) then absorb the product.

To collect the product, use instruments made of polyethylene or polypropylene, so as not to create a spark.

Do not use combustible cloths or materials.

The residue will be stored in non-combustible containers that are not hermetically sealed.

Clean the contaminated area with water.

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.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Remove contaminated clothing and protective equipment before entering eating areas.

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.

Handle at a temperature 10°C below the self-accelerating decomposition temperature (SADT).

Do not perform transfer operations under pressure; this could cause the peroxide to heat.

Do not use an external heat source to bring the product to room temperature, to prevent the formation of a hot spot.

The equipment used for handling the product must be made of compatible material, instruments used must therefore be made of stainless steel, non-pigmented polyethylene or polypropylene.

Prohibited equipment and procedures :

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

Never open the packages under pressure.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep the container tightly closed in a dry place.

Store away from light and heat, since these factors favour peroxidation.

Store in inert atmosphere (e.g. under nitrogen).

Store in clean, unoxidised containers.

Ensure that the container is fully sealed to avoid evaporation of the solvent or product stored, which would cause a concentration of peroxides in the recipient.

The storage area must be indicated by signs bearing the 'Oxidising' symbol and have signs prohibiting smoking.

Packaging

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

Only store in original packaging.

If decanting, ensure that the material on the new packaging is compatible with the properties of peroxide.

Make sure there is a ventilation hole in packaging containers, to prevent overpressure. A temperature indicator is also useful.

Suitable packaging materials :

- Aluminium
- Polyethylene

Unsuitable packaging materials :

- Galvanised metals
- Steel
- Copper
- Lead
- Zinc

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/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
80-62-6	-	50	-	100	-

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
14808-60-7	0.05 mg/m3	-	-	-	R
80-62-6	50 ppm	100 ppm		SEN; A4	
94-36-0	5 mg/m3			A4	

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

CAS	VME :	VME :	Excess	Notes
80-62-6		50 ppm 210 mg/m³		2(I)
103-11-7		5 ppm 38 mg/m³		1(I)
94-36-0		5E mg/m³		1(I)

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

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
14808-60-7	-	0.1 A	-	-	-	25
80-62-6	50	205	100	410	-	82
94-36-0	-	5	-	-	-	-

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
14808-60-7	0.3 mg/m3	-	-	-	R
80-62-6	50 ppm 208 mg/m³	100 ppm 416 mg/m³			
94-36-0	5 mg/m³				

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

DIBENZOYL PEROXIDE (CAS: 94-36-0)

Final use:	**Workers.**
Exposure method:	Dermal contact.
Potential health effects:	Long term local effects.
DNEL :	6.6 mg/kg body weight/day

Exposure method:	Inhalation.
Potential health effects:	Long term local effects.
DNEL :	11.75 mg of substance/m3

Final use: **Man exposed via the environment.**

Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	1.65 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	3.3 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	2.9 mg of substance/m3

Predicted no effect concentration (PNEC):

DIBENZOYL PEROXIDE (CAS: 94-36-0)

Environmental compartment:	Soil.
PNEC :	0.0758
Environmental compartment:	Fresh water.
PNEC :	0.000602 mg/l
Environmental compartment:	Sea water.
PNEC :	0.0000602 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	0.000602 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	0.338 mg/l
Environmental compartment:	Waste water treatment plant.
PNEC :	0.35 mg/l

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.

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

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.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	
Physical state :	Paste.
Colour	
Unspecified	
Odour	
Odour threshold :	Not stated.
Melting point	
Melting point/melting range :	Not specified.
Freezing point	
Freezing point / Freezing range :	Not stated.
Boiling point or initial boiling point and boiling range	
Boiling point/boiling range :	Not specified.
Flammability	
Flammability (solid, gas) :	Not stated.
Lower and upper explosion limit	
Explosive properties, lower explosivity limit (%) :	Not stated.
Explosive properties, upper explosivity limit (%) :	Not stated.
Flash point	
Flash point interval :	Not relevant.
Auto-ignition temperature	
Self-ignition temperature :	Not specified.
Decomposition temperature	
Decomposition point/decomposition range :	Not specified.
pH	
pH :	Not stated. Neutral.
pH (aqueous solution) :	Not stated.
Kinematic viscosity	
Viscosity :	Not stated.
Solubility	
Water solubility :	Insoluble.
Fat solubility :	Not stated.
Partition coefficient n-octanol/water (log value)	
Partition coefficient: n-octanol/water :	Not stated.
Vapour pressure	
Vapour pressure (50°C) :	Not relevant.
Density and/or relative density	
Density :	> 1
Relative vapour density	
Vapour density :	Not stated.

9.2. Other information

VOC (g/l) : 5

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

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.

Mixture which detonates partially, but does not deflagrate fast and does not react violently when heated under confinement.

Mixture which does not detonate, but deflagrates slowly and does not react violently when heated under confinement.

Mixture which neither detonates nor deflagrates, but reacts moderately when heated under confinement.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid :

- heating
- heat

May decompose under the effect of heat.

10.5. Incompatible materials

Keep away from :

- combustible material

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

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

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

May cause an allergic reaction by skin contact.

11.1.1. Substances

Acute toxicity :

N,N-BIS-(2-HYDROXYPROPYL)-P-TOLUIDINE (CAS: 38668-48-3)

Oral route :	LD50 = 25 mg/kg Species : Rat
Dermal route :	LD50 > 2000 mg/kg Species : Rat

11.1.2. Mixture

No toxicological data available for the mixture.

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

CAS 7631-86-9 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 14808-60-7 : IARC Group 1 : The agent is carcinogenic to humans.

CAS 13463-67-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 99-97-8 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 94-36-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 103-11-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 80-62-6 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 14808-60-7 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Toxic 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

DIBENZOYL PEROXIDE (CAS: 94-36-0)

Fish toxicity :	LC50 = 0.06 mg/l Factor M = 10 Duration of exposure : 96 h
Crustacean toxicity :	EC50 = 0.11 mg/l Factor M = 1 Duration of exposure : 48 h
Algae toxicity :	ECr50 = 0.06 mg/l Factor M = 10 Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

DIBENZOYL PEROXIDE (CAS: 94-36-0)

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

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

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.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 - ICAO/IATA 2021).

14.1. UN number or ID number

3106

14.2. UN proper shipping name

UN3106=ORGANIC PEROXIDE TYPE D, SOLID

(dibenzoyl peroxide)

14.3. Transport hazard class(es)

- Classification :

5.2

14.4. Packing group

-

14.5. Environmental hazards

- Environmentally hazardous material :

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	5.2	P1	-	5.2	-	500 g	122 274	E0	2	D

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	5.2	-	-	500 g	F-J. S-R	122 274	E0	Category D SW1	SG35 SG36 SG72

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	5.2	-	-	570	5 kg	570	10 kg	A20 A802	E0
	5.2	-	-	Forbidden	Forbidden	-	-	A20 A802	E0

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

Marine pollutant (IMDG 3.1.2.9):(dibenzoyl peroxide)

14.7. Maritime transport in bulk according to IMO instruments

No data available.

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 5 g/l.

The permitted European levels of VOC in the ready-to-use product (category IIAj) are 550 g/l maximum in 2007 and 500 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 :

H225	Highly flammable liquid and vapour.
H241	Heating may cause a fire or explosion.
H300	Fatal if swallowed.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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.

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

ATE : Acute Toxicity Estimate

BW : Body Weight

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

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 : Wassergefahrdungsklasse (Water Hazard Class).

GHS02 : Flame

GHS07 : Exclamation mark

GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.