SOROMAP PEINTURES VERNIS



AEROSOL SOROCONTACT - RP112035

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: AEROSOL SOROCONTACT

Product code: RP112035. UFI: GW9E-1151-G00U-YPJE

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

N/A

1.3. Details of the supplier of the safety data sheet

Registered company name: SOROMAP PEINTURES VERNIS.

Address: RUE MAURICE MALLET Z.I. DE BELIGON.17300.ROCHEFORT SUR MER.FRANCE.

Telephone: 05.46.88.36.10. Fax: 05.46.88.36.15.

contact@soromap.com www.soromap.com

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.

Aerosol, Category 1 (Aerosol 1, H222 - H229).

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

The propellant gas is taken into account when determining the health and environmental classification of the mixture.

2.2. Label elements

Mixture for aerosol application.

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

Hazard pictograms:



GHS02

Signal Word : DANGER

Hazard statements:

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

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:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

Precautionary statements - Storage:

P410 + P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F.

Precautionary statements - Disposal:

P501 Dispose of contents/container by approved organization

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 contain 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	Classification (EC) 1272/2008	Note	%
CAS: 109-87-5	GHS02	[1]	50 <= x % < 100
EC: 203-714-2	Dgr		
REACH: 01-2119664781-31	Flam. Liq. 2, H225		
DIMETHOXYMETHANE			
CAS: 106-97-8	GHS02	[1]	$10 \le x \% < 25$
EC: 203-448-7	Dgr	[7]	
REACH: 01-2119485395-27	Flam. Gas 1, H220		
	Press. Gas, H280		
BUTANE			
CAS: 8042-47-5	GHS08	[1]	$10 \le x \% < 25$
EC: 232-455-8	Dgr		
REACH: 01-2119487078-27	Asp. Tox. 1, H304		
HUILE MINÉRALE BLANCHE (PÉTROLE)			
CAS: 74-98-6	GHS02	[1]	$2.5 \le x \% < 10$
EC: 200-827-9	Dgr	[7]	
REACH: 01-2119486944-21	Flam. Gas 1, H220		
PROPANE			
CAS: 61791-53-5	GHS07, GHS09, GHS08		$0 \le x \% < 2.5$
EC: 263-186-4	Wng		
REACH: 01-2119974117-33	Skin Irrit. 2, H315		
	Eye Irrit. 2, H319		
AMINES, N-TALLOW	STOT RE 2, H373		
ALKYLTRIMETHYLENEDI-,OLEATES	Aquatic Chronic 2, H411		
	Aquatic Acute 1, H400		
	M Acute = 10		

Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 109-87-5		oral: ATE = 6423 mg/kg BW
EC: 203-714-2		
REACH: 01-2119664781-31		
DIMETHOXYMETHANE		

Information on ingredients:

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

- [1] Substance for which maximum workplace exposure limits are available.
- [7] Propellant gas

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 eyes:

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

In the event of swallowing:

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

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show 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.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

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

Suitable methods of extinction

In the event of a fire, use:

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon

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

Unsuitable methods of extinction

In the event of a fire, do not use:

- 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 (CO2)

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating 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

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

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.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention:

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

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.

Do not breathe in aerosols.

Packages which have been opened must be reclosed carefully and stored in an upright position.

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.

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Packaging

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

7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME:	VME:	Excess	Notes
109-87-5		500 ppm		2(II)
		1600 mg/m ³		
106-97-8		1000 ppm		4(II)
		2400 mg/m ³		
8042-47-5		5A mg/m ³		4(II)
74-98-6		1000 ppm		4(II)
		1800 mg/m ³		

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021):

CAS	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP No:
109-87-5	1000	3100	-	-	-	84
106-97-8	800	1900	-	-	_	-

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

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
109-87-5	1000 ppm	1250 ppm			
	3160 mg/m ³	3950 mg/m ³			
106-97-8	600 ppm	750 ppm		Carc	
	1450 mg/m3	1810 mg/m3			

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

AMINES, N-TALLOW ALKYLTRIMETHYLENEDI-, OLEATES (CAS: 61791-53-5)

Final use: Workers.

Exposure method: Dermal contact.

Potential health effects: Long term systemic effects.

DNEL: 0.04 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Long term systemic effects.

DNEL: 0.29 mg of substance/m3

Final use: Consumers.

Exposure method: Ingestion.

Potential health effects: Long term systemic effects.

DNEL: 0.018 mg/kg body weight/day

Exposure method: Dermal contact.

Potential health effects: Long term systemic effects.

DNEL: 0.018 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Long term systemic effects. DNEL: 0.07 mg of substance/m3

HUILE MINÉRALE BLANCHE (PÉTROLE) (CAS: 8042-47-5)

Final use: Workers.
Exposure method: Dermal contact.

Potential health effects: Short term systemic effects.

DNEL: 220 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Long term systemic effects. DNEL: 160 mg of substance/m3

Final use: Consumers. Exposure method: Ingestion.

Potential health effects: Long term systemic effects.

DNEL: 40 mg/kg body weight/day

Exposure method: Dermal contact.

Potential health effects: Long term systemic effects.

DNEL: 92 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Long term systemic effects.

DNEL: 35 mg of substance/m3

DIMETHOXYMETHANE (CAS: 109-87-5)

Final use: Workers.
Exposure method: Dermal contact.

Potential health effects: Long term systemic effects.

DNEL: 22 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Long term systemic effects.

DNEL: 132 mg of substance/m3

Final use: Consumers.

Exposure method: Ingestion.

Potential health effects: Long term systemic effects.

DNEL: 9.6 mg/kg body weight/day

Exposure method: Dermal contact.

Potential health effects: Long term systemic effects.
DNEL: 5.7 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Long term systemic effects.
DNEL: 39 mg of substance/m3

Predicted no effect concentration (PNEC):

AMINES, N-TALLOW ALKYLTRIMETHYLENEDI-, OLEATES (CAS: 61791-53-5)

Environmental compartment: Soil.
PNEC: 9.93 mg/kg

Environmental compartment: Fresh water. PNEC: 0.00638 mg/l

Environmental compartment: Sea water. PNEC: 0.000638 mg/l

Environmental compartment: Intermittent waste water.

PNEC: 0.00509 mg/l

Environmental compartment: Fresh water sediment.

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PNEC: 204 mg/kg

Environmental compartment: Marine sediment. PNEC: 20.4 mg/kg

Environmental compartment: Waste water treatment plant.

PNEC: 98.6 mg/l

DIMETHOXYMETHANE (CAS: 109-87-5)

Environmental compartment: Soil.

PNEC: 4.6538 mg/kg

Environmental compartment: Fresh water. PNEC: 14.577 mg/l

Environmental compartment: Sea water.
PNEC: 1.4577 mg/l

Environmental compartment: Fresh water sediment.

PNEC: 13.135 mg/kg

Environmental compartment: Marine sediment. PNEC: 1.3135 mg/kg

Environmental compartment: Waste water treatment plant.

PNEC: 10000 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):



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

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended:

- PVA (Polyvinyl alcohol)

- 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Physical state : Fluid liquid.

Spray.

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 (%): 1.8% en vol Explosive properties, upper explosivity limit (%): 9.5% en vol

Flash point

Flash point interval: Not relevant.

Auto-ignition temperature

Self-ignition temperature: Not specified.

Decomposition temperature

Decomposition point/decomposition range: Not specified.

pН

pH: Not relevant. 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): Below 110 kPa (1.10 bar).

Density and/or relative density

Density: <1

Relative vapour density

Vapour density: Not stated.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

Aerosols

Chemical combustion heat : >= 30 kJ/g.

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.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid:

- heating
- heat

N/A

10.5. Incompatible materials

No data available.

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

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

Acute toxicity:

AMINES, N-TALLOW ALKYLTRIMETHYLENEDI-,OLEATES (CAS: 61791-53-5)

Oral route: LD50 > 5000 mg/kg bodyweight/day

Species: Rat

HUILE MINÉRALE BLANCHE (PÉTROLE) (CAS: 8042-47-5)

Oral route : LD50 > 5000 mg/kg bodyweight/day

Species: Rat

OECD Guideline 401 (Acute Oral Toxicity)

Dermal route: LD50 > 2000 mg/kg bodyweight/day

Species: Rabbit

OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route (Vapours): LC50 > 5000 mg/l

Species: Rat

OECD Guideline 403 (Acute Inhalation Toxicity)

DIMETHOXYMETHANE (CAS: 109-87-5)

Oral route : LD50 = 6423 mg/kg bodyweight/day

Species: Rat

Dermal route: LD50 > 5000 mg/kg bodyweight/day

Species: Rabbit

11.1.2. Mixture

No toxicological data available for the mixture.

11.2. Information on other hazards

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

HUILE MINÉRALE BLANCHE (PÉTROLE) (CAS: 8042-47-5) Fish toxicity: LC50 > 100 mg/l

> Species : Oncorhynchus mykiss Duration of exposure : 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity: EC50 = 100 mg/l

Species : Daphnia magna Duration of exposure : 48 h

OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity: ECr50 > 100 mg/l

Species: Pseudokirchnerella subcapitata

Duration of exposure: 72 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

AMINES, N-TALLOW ALKYLTRIMETHYLENEDI-, OLEATES (CAS: 61791-53-5)

Fish toxicity: LC50 > 0.1 mg/l

Factor M = 1 Species : Danio rerio Duration of exposure : 96 h

Crustacean toxicity: EC50 > 0.1 mg/l

Species : Daphnia magna Duration of exposure : 48 h

Algae toxicity: ECr50 > 0.01 mg/l

Duration of exposure: 72 h

DIMETHOXYMETHANE (CAS: 109-87-5)

Fish toxicity: LC50 > 1000 mg/l

Duration of exposure: 96 h

Crustacean toxicity: EC50 > 1200 mg/l

Species : Daphnia magna Duration of exposure : 48 h

Algae toxicity: ECr50 > 10000 mg/l

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

AMINES, N-TALLOW ALKYLTRIMETHYLENEDI-, OLEATES (CAS: 61791-53-5)

Biodegradability: Rapidly degradable.

HUILE MINÉRALE BLANCHE (PÉTROLE) (CAS: 8042-47-5)

Biodegradability: Non-rapidly degradable.

DIMETHOXYMETHANE (CAS: 109-87-5)

Biodegradability: Non-rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

HUILE MINÉRALE BLANCHE (PÉTROLE) (CAS: 8042-47-5) Octanol/water partition coefficient : log Koe = 3.6

DIMETHOXYMETHANE (CAS: 109-87-5)

Octanol/water partition coefficient : log Koe = 0

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.

German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws):

WGK 2: Hazardous for water.

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, 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 2023 - IMDG 2020 [40-20] - ICAO/IATA 2023 [64]).

14.1. UN number or ID number

1950

14.2. UN proper shipping name

UN1950=AEROSOLS, flammable

14.3. Transport hazard class(es)

- Classification :



2.1

14.4. Packing group

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14.5. Environmental hazards

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14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	2	5F	-	2.1	-	1 L	190 327 344	E0	2	D
							625			

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage	Segregation
								Handling	
	2	See SP63	-	See SP277	F-D. S-U	63 190 277	E0	- SW1 SW22	SG69
						327 344 381			
						959			

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	2.1	-	-	203	75 kg	203	150 kg	A145 A167	E0
								A802	
	2.1	-	-	Y203	30 kg G	-	-	A145 A167	E0
								A802	

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.

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. 2022/692 (ATP 18)

Container information:

No data available.

Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): https://echa.europa.eu/substances-restricted-under-reach.

Explosives precursors:

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

Particular provisions:

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws):

WGK 2: Hazardous for water.

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:

H220

Extremely flammable gas.

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H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

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.

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 UFI: Unique formulation identifier. 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.

 $WGK: Wasserge fahrdungsklasse \ (Water\ Hazard\ Class).$

GHS02: Flame

PBT: Persistent, bioaccumulable and toxic. vPvB: Very persistent, very bioaccumulable. SVHC: Substances of very high concern.