Republic of Ireland : +353 (0)1 809

# 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 : LIBERON - TEAK OIL - 250 mL Product code : 126808

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

Oil

## Use descriptor system (REACH) :

Paints, varnishes and related products coating with layered application.

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

Registered company name : LIBERON Ltd Address : .Mountfield Industrial Estate. KENT TN28 8XU NEW ROMNEY GB Telephone : + (44) 1797 367 555. Fax: + (44) 1797 367 575. Telex: . fds.produits@v33;com www.liberon.co.uk

# 1.4. Emergency telephone number : .

Association/Organisation : .

# Other emergency numbers

UK/NI: 111 - Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

2166 - Emergency medical information: 8am-10pm (seven days) contact NPIC, Beaumont Hospital, Dublin 9 DOV2NO, Ireland.

## **SECTION 2 : HAZARDS IDENTIFICATION**

## 2.1. Classification of the substance or mixture

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

Flammable liquid, Category 3 (Flam. Liq. 3, H226). Repeated exposure may cause skin dryness or cracking (EUH066). Aspiration hazard, Category 1 (Asp. Tox. 1, H304).

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

### 2.2. Label elements

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

Hazard pictograms :



Signal Word : DANGER	
Product identifiers :	
EC 919-857-5	HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS
Hazard statements :	
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary statements - Ge	eneral :
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
Precautionary statements - Pr	evention :
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.

Precautionary statements - Response :

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

P331 Do NOT induce vomiting.

Precautionary statements - Disposal : P501 Dispose

Dispose of contents/container to a waste collection center (contact the local authority)

# 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	(EC) 1272/2008	Note	%
INDEX: Z470	GHS07, GHS08, GHS02		10 <= x % < 25
EC: 919-857-5	Dgr		
REACH: 01-2119463258-33	Flam. Liq. 3, H226		
	Asp. Tox. 1, H304		
HYDROCARBONS, C9-C11,	STOT SE 3, H336		
N-ALKANES, ISOALKANES, CYCLICS,	EUH:066		
<2% AROMATICS			
INDEX: Z472	GHS08		10 <= x % < 25
EC: 918-481-9	Dgr		
REACH: 01-2119457273-39	Asp. Tox. 1, H304		
	EUH:066		
HYDROCARBONS, C10-C13,			
N-ALKANES, ISOALKANES, CYCLICS,			
<2% AROMATICS			

### Information on ingredients :

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

## **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 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.

If the contaminated aera is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

# 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, showing the label.

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

If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.

## 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
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

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.

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

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.

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.

Never inhale this mixture.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged: always ground when decanting. Wear antistatic shoes and clothing and make floors of non-conductive

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.

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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.

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 food and drink, including those for animals.

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

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

Avoid accumulation of electrostatic charges.

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.

Workers. Dermal contact.

Inhalation.

Ingestion.

Dermal contact.

Inhalation.

Long term systemic effects. 208 mg/kg body weight/day

Long term systemic effects.

Consumers.

Long term systemic effects.

125 mg/kg body weight/day

Long term systemic effects.

125 mg/kg body weight/day

Long term systemic effects.

185 mg of substance/m3

871 mg of substance/m3

## 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

No data available.

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

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Final use:	
Exposure method:	
Potential health effects:	
DNEL :	

Exposure method: Potential health effects: DNEL :

# Final use:

Exposure method: Potential health effects: DNEL :

Exposure method: Potential health effects: DNEL :

Exposure method: Potential health effects: DNEL :

### 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 :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVA (Polyvinyl alcohol)

# - 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 :	Viscous liquid.
Colour	
Unspecified	
Odour	
Odour threshold :	Not stated.
Melting point	
Melting point/melting range :	Not relevant.
Freezing point	
Freezing point / Freezing range :	Not stated.
Boiling point or initial boiling point and boiling range	
Boiling point/boiling range :	Not relevant.
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 :	38.00 °C.
Auto-ignition temperature	
Self-ignition temperature :	Not relevant.
Decomposition temperature	
Decomposition point/decomposition range :	Not relevant.
рН	
pH (aqueous solution) :	Not stated.
pH :	Not relevant.
Kinematic viscosity	
Viscosity :	Not stated.
Viscosity :	14 mm2/s < v <= 20,5 mm2/s (40°C)
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 and/or relative density

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0.85-0.95

Not stated.

# Density :

Relative vapour density

# Vapour density :

### 9.2. Other information

No data available.

# 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.

# 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 :

- accumulation of electrostatic charges.

- heating
- heat
- flames and hot surfaces

# 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

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Splashes in the eyes may cause irritation and reversible damage

Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

# 11.1.1. Substances

# Acute toxicity :

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS					
Oral route :	LD50 > 5000 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)				
Inhalation route (Vapours) :	LC50 > 5000 mg/m3				
	Species : Rat				
	OCDE Ligne directrice 403 (Toxicité aiguë par inhalation)				

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

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Oral route :	LD50 > 5000 mg/kg	
	Species : Rat	
	OCDE Ligne directrice 401 (Toxicité	aiguë par voie orale)
Dermal route :	LD50 > 5000 mg/kg	
	Species : Rabbit	
	OCDE Ligne directrice 402 (Toxicité	e aiguë par voie cutanée)
Inhalation route (Vapours) :	LC50 > 5000 mg/l	
	Species : Rat	
	OCDE Ligne directrice 403 (Toxicité	aiguë par inhalation)
Germ cell mutagenicity :		
HYDROCARBONS, C9-C11, N-ALKANES, ISC	ALKANES, CYCLICS, <2% AROMATICS	
	No mutagenic effect.	
Carcinogenicity :		
HYDROCARBONS, C9-C11, N-ALKANES, ISC	ALKANES, CYCLICS, <2% AROMATICS	
Carcinogenicity Test :	Negative.	
	No carcinogenic effect.	
11.1.2. Mixture		
Aspiration hazard :		
May be fatal if swallowed and enters airways. Asniration toxicity includes severe acute effects	such as chemical pneumonia, varving degree	es of pulmonary injury or death following aspiration.
11.2. Information on other hazards	such as chemical pricemonia, varying degree	so of particitary injury of death following aspiration.

# 11.2. Information on other hazards

12.1. Toxicity

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

CAS 128-37-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

# **SECTION 12 : ECOLOGICAL INFORMATION**

12.1.1. Substances	
HYDROCARBONS, C10-C13, N-ALKA	NES, ISOALKANES, CYCLICS, <2% AROMATICS
Fish toxicity :	LC50 > 1000 mg/l
	Species : Oncorhynchus mykiss
	Duration of exposure : 96 h
	OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)
	NOEC = 0.10 mg/l
	Species : Oncorhynchus mykiss
	Duration of exposure : 28 jours
	Autres lignes directrices
Crustacean toxicity :	EC50 > 1000 mg/l
	Species : Daphnia magna
	Duration of exposure : 48 h
	OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate)
	NOEC = 0.18 mg/l
	Species : Daphnia magna
	Duration of exposure : 21 jours
	Autres lignes directrices
Algae toxicity :	ECr50 > 1000 mg/l
	Species : Pseudokirchnerella subcapitata
	Duration of exposure : 72 h
	OCDE Ligne directrice 201 (Algues, Essai d'inhibition de la croissance)
HYDROCARBONS, C9-C11, N-ALKAN	IES, ISOALKANES, CYCLICS, <2% AROMATICS
Fish toxicity :	LC50 > 1000 mg/l
	Species : Oncorhynchus mykiss

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	Duration of exposure : 96 h
	OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)
	NOEC = 0.23 mg/l
	Species : Oncorhynchus mykiss
	Duration of exposure : 28 jours
Crustacean toxicity :	EC50 > 1000 mg/l
	Species : Daphnia magna
	Duration of exposure : 48 h
	OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate)
	NOEC = 0.13 mg/l
	Species : Daphnia magna
	Duration of exposure : 21 jours
Algae toxicity :	ECr50 > 1000 mg/l
	Species : Pseudokirchnerella subcapitata
	Duration of exposure : 72 h
	OCDE Ligne directrice 201 (Algues, Essai d'inhibition de la croissance)
	NOEC = 3 mg/l
	Species : Pseudokirchnerella subcapitata
	Duration of exposure : 72 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

### 12.2.1. Substances

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS Biodegradability : Rapidly degradable.

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS 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. CAUTION: Risk of self-combustion. Wet with water any textiles or tools soiled with the product and dispose of them in a tightly closed container.

### 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 [40-20] - ICAO/IATA 2022 [63]).

# 14.1. UN number or ID number

1263

# 14.2. UN proper shipping name

UN1263=PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)

# 14.3. Transport hazard class(es)

- Classification :



3

# 14.4. Packing group

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# 14.5. Environmental hazards

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## 14.6. Special precautions for user

3 F1 III 3 30 5 L 163 367 E1 3 D/E	ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel	
650		3	F1	III	3	30	5 L	163 367	E1	3	D/E	
								650				

"IT C	"If Q <450I, see 2.2.3.1.5.1.								
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage	Segregati
								Handling	on
	3	-	III	5 L	F-E. S-E	163 223	E1	Category	-
						367 955		A	

# \*if Q < 450 I see IMDG 2.3.2.5.

	ii Q									
1	ATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
		3	-	III	355	60 L	366	220 L	A3 A72	E1
									A192	
		3	-	Ш	Y344	10 L	-	-	A3 A72	E1
									A192	

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:

Packaging to be fitted with child-resistant fastenings (see EC Regulation No. 1272/2008, Annex II, Part 3).

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

# -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.

# - Particular provisions :

No data available.

## 15.2. Chemical safety assessment

This product contains at least one substance with exposure scenarios. The RMM (risk management measures) and OC (Operating conditions)

are included in the body of the SDS.

# **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 :

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

### Abbreviations :

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

 $\mathsf{LC50}$  : The concentration of a test substance resulting in 50% lethality in a given period.

 $\mathsf{EC50}$  : 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.

DNEL : Derived No-Effect Level

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

GHS08 : Health hazard

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.