

# 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 - SUPERIOR DECKING OIL - mid oak - 2,5L  
Product code : 126104

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

Woodstain

### 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 / Head Office - V33 Group - Rue de la Croix Bernard - BP1 - 39210 DOMBLANS cedex - FRANCE - Tel: +33 3 84 35 00 33

### 1.4. Emergency telephone number : .

Association/Organisation : .

### Other emergency numbers

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

Republic of Ireland : +353 (0)1 809

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

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

Republic of Ireland : +353 (0)1 809

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).  
May produce an allergic reaction (EUH208).  
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 :



GHS02

Signal Word :

WARNING

Additional labeling :

EUH208 Contains FATTY ACIDS, C-18, UNSATD. TRIMERS COMPOUNDS WITH 9-OCTADECEN-1-AMINE, (Z)-. May produce an allergic reaction.

EUH208 Contains FATTY ACIDS, TALL-OIL, COMPDS. WITH OLEYAMINE. May produce an allergic reaction.

Hazard statements :

H226 Flammable liquid and vapour.

EUH066 Repeated exposure may cause skin dryness or cracking.

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.

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

Precautionary statements - Disposal :

P501 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)  $\geq 0.1\%$  published by the European CHemicals Agency (ECHA) under article 59 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  $\geq 0.1\%$  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          | %                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------|---------------------|
| INDEX: Z472<br>EC: 918-481-9<br>REACH: 01-2119457273-39<br><br>HYDROCARBONS, C10-C13,<br>N-ALKANES, ISOALKANES, CYCLICS,<br><2% AROMATICS                            | GHS08<br>Dgr<br>Asp. Tox. 1, H304<br>EUH066                                                                          |               | 25 $\leq$ x % < 50  |
| INDEX: Z470<br>EC: 919-857-5<br>REACH: 01-2119463258-33<br><br>HYDROCARBONS, C9-C11,<br>N-ALKANES, ISOALKANES, CYCLICS,<br><2% AROMATICS                             | GHS07, GHS08, GHS02<br>Dgr<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>STOT SE 3, H336<br>EUH066                   |               | 10 $\leq$ x % < 25  |
| INDEX: Z756A<br>CAS: 22464-99-9<br>EC: 245-018-1<br>REACH: 01-2119979088-21<br><br>2-ETHYLHEXANOIC ACID, ZIRCONIUM<br>SALT                                           | GHS08<br>Dgr<br>Repr. 1B, H360D                                                                                      | [ii]          | 0 $\leq$ x % < 0.25 |
| INDEX: Z750<br>CAS: 68439-50-9<br><br>ALCOOLS EN C12-14 ETHOXYLES                                                                                                    | GHS07, GHS09<br>Wng<br>Eye Irrit. 2, H319<br>Aquatic Chronic 3, H412<br>Aquatic Acute 1, H400<br>M Acute = 1         |               | 0 $\leq$ x % < 2.5  |
| INDEX: Z661<br>CAS: 147900-93-4<br>EC: 604-612-4<br>REACH: 01-2119971821-33<br><br>FATTY ACIDS, C-18, UNSATD.<br>TRIMERS COMPOUNDS WITH<br>9-OCTADECEN-1-AMINE, (Z)- | GHS07, GHS09, GHS08<br>Wng<br>Acute Tox. 4, H302<br>Skin Sens. 1, H317<br>STOT RE 2, H373<br>Aquatic Chronic 2, H411 |               | 0 $\leq$ x % < 0.25 |
| INDEX: Z713<br>CAS: 85711-55-3<br>EC: 288-315-1<br>REACH: 01-2119974148-28<br><br>FATTY ACIDS, TALL-OIL, COMPDS.<br>WITH OLEYAMINE                                   | GHS05, GHS07, GHS08<br>Dgr<br>Skin Sens. 1A, H317<br>Eye Dam. 1, H318<br>STOT RE 2, H373                             |               | 0 $\leq$ x % < 0.1  |
| INDEX: Z858<br>CAS: 1333-86-4<br>EC: 215-609-9<br>REACH: 01-2119384822-32                                                                                            |                                                                                                                      | [i]<br>[xiii] | 0 $\leq$ x % < 2.5  |

NOIR DE CARBONE, AMORPHE

**Nanoform**

| Identification                                                                                        | Nanoform                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| INDEX: Z858<br>CAS: 1333-86-4<br>EC: 215-609-9<br>REACH: 01-2119384822-32<br>NOIR DE CARBONE, AMORPHE | Number based particle size distribution:<br>d10 : 20 - 43 nm<br>d50 : 30 - 87 nm<br>d90 : 54 - 178 nm<br>Specific surface area: 35 - 600 m²/g |

**Information on ingredients :**

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

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

[ii] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

[xiii] Nanoform.

**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.

**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.

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

If the contaminated area 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 :**

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
- 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 (CO<sub>2</sub>)

### 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.

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.

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 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.

**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 :**

- UK :

| CAS       | TWA :     | STEL :  | Ceiling : | Definition : | Criteria : |
|-----------|-----------|---------|-----------|--------------|------------|
| 1333-86-4 | 3.5 mg/m3 | 7 mg/m3 | -         | -            | -          |

**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 :

**Workers.**

Dermal contact.

Long term systemic effects.

208 mg/kg body weight/day

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Long term systemic effects.

871 mg of substance/m3

**Final use:**

Exposure method:

Potential health effects:

DNEL :

**Consumers.**

Ingestion.

Long term systemic effects.

125 mg/kg body weight/day

Exposure method:

Potential health effects:

DNEL :

Dermal contact.

Long term systemic effects.

125 mg/kg body weight/day

Exposure method:

Potential health effects:

DNEL :

Inhalation.

Long term systemic effects.

185 mg of substance/m3

**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 ISO 16321.

**- 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 Interval : | 23°C <= FP <= 55°C |
|------------------------|--------------------|

**Auto-ignition temperature**

|                             |               |
|-----------------------------|---------------|
| Self-ignition temperature : | Not relevant. |
|-----------------------------|---------------|

**Decomposition temperature**

|                                           |               |
|-------------------------------------------|---------------|
| Decomposition point/decomposition range : | Not relevant. |
|-------------------------------------------|---------------|

**pH**

|                         |             |
|-------------------------|-------------|
| pH (aqueous solution) : | Not stated. |
|-------------------------|-------------|

|      |               |
|------|---------------|
| pH : | Not relevant. |
|------|---------------|

**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**

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 (CO<sub>2</sub>)

## 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

#### 11.1.1. Substances

##### a) Acute toxicity :

NOIR DE CARBONE, AMORPHE (CAS: 1333-86-4)

Oral route : LD<sub>50</sub> > 8000 mg/kg body weight  
Species : Rat

FATTY ACIDS, C-18, UNSATD. TRIMERS COMPOUNDS WITH 9-OCTADECEN-1-AMINE, (Z)- (CAS: 147900-93-4)

Oral route : 300 < LD<sub>50</sub> ≤ 2000 mg/kg

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

Oral route : LD<sub>50</sub> > 5000 mg/kg body weight  
Species : Rat  
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD<sub>50</sub> > 5000 mg/kg body weight  
Species : Rabbit  
OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route (Vapours) : LC<sub>50</sub> > 5000 mg/l  
Species : Rat  
OECD Guideline 403 (Acute Inhalation Toxicity)

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Oral route : LD<sub>50</sub> > 5000 mg/kg body weight  
Species : Rat  
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 2000 mg/kg body weight  
Species : Rat  
OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route (Vapours) : LC50 > 5000 mg/m3  
Species : Rat  
OECD Guideline 403 (Acute Inhalation Toxicity)

**b) Skin corrosion/skin irritation :**

NOIR DE CARBONE, AMORPHE (CAS: 1333-86-4)  
Irritation : No observed effect.  
Average score < 1.5  
Species : Rabbit

**c) Serious damage to eyes/eye irritation :**

No data available.

**d) Respiratory or skin sensitisation :**

FATTY ACIDS, TALL-OIL, COMPS. WITH OLEYAMINE (CAS: 85711-55-3)  
Guinea Pig Maximisation Test (GMPT) : Sensitiser.

**e) Germ cell mutagenicity :**

2-ETHYLHEXANOIC ACID, ZIRCONIUM SALT (CAS: 22464-99-9)  
No mutagenic effect.

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS  
No mutagenic effect.

**f) Carcinogenicity :**

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS  
Carcinogenicity Test : Negative.  
No carcinogenic effect.

**g) Reproductive toxicant :**

No data available.

**h) Specific target organ systemic toxicity - single exposure :**

No data available.

**i) Specific target organ systemic toxicity - repeated exposure :**

FATTY ACIDS, C-18, UNSATD. TRIMERS COMPOUNDS WITH 9-OCTADECEN-1-AMINE, (Z)- (CAS: 147900-93-4)

Oral route : 50 < C ≤ 100 mg/kg body weight/day  
Duration of exposure : 90 days

Dermal route : 100 < C ≤ 200 mg/kg body weight/day  
Duration of exposure : 90 days

Inhalation route (Vapours) : 0.25 < C ≤ 1 mg/l/6hrs/day  
Duration of exposure : 90 days

**j) Aspiration hazard :**

No data available.

**11.1.2. Mixture**

**a) Acute toxicity :**

No data available.

**b) Skin corrosion/skin irritation :**

No data available.

**c) Serious damage to eyes/eye irritation :**

No data available.

**d) Respiratory or skin sensitisation :**

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

**e) Germ cell mutagenicity :**

No data available.

**f) Carcinogenicity :**

No data available.

**g) Reproductive toxicant :**

No data available.

**h) Specific target organ systemic toxicity - single exposure :**

No data available.

**i) Specific target organ systemic toxicity - repeated exposure :**

No data available.

**j) Aspiration hazard :**

No data available.

**11.1.2.2 Other information**

**11.2. Information on other hazards**

**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.

CAS 1333-86-4 : IARC Group 2B : The agent is possibly carcinogenic to humans.

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

CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

**SECTION 12 : ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**12.1.1. Substances**

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

Fish toxicity :

LC50 > 1000 mg/l

Species : Oncorhynchus mykiss

Duration of exposure : 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

NOEC = 0.23 mg/l

Species : Oncorhynchus mykiss

Duration of exposure : 28 days

Crustacean toxicity :

EC50 > 1000 mg/l

Species : Daphnia magna

Duration of exposure : 48 h

OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

NOEC = 0.13 mg/l

Species : Daphnia magna

Duration of exposure : 21 days

Algae toxicity :

ECr50 > 1000 mg/l

Species : Pseudokirchnerella subcapitata

Duration of exposure : 72 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

NOEC = 3 mg/l

Species : Pseudokirchnerella subcapitata

Duration of exposure : 72 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Fish toxicity :

LC50 > 1000 mg/l

Species : Oncorhynchus mykiss

Duration of exposure : 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

NOEC = 0.10 mg/l

Species : Oncorhynchus mykiss

Duration of exposure : 28 days

Other guideline

Crustacean toxicity :  
EC50 > 1000 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h  
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

NOEC = 0.18 mg/l  
Species : Daphnia magna  
Duration of exposure : 21 days  
Other guideline

Algae toxicity :  
ECr50 > 1000 mg/l  
Species : Pseudokirchnerella subcapitata  
Duration of exposure : 72 h  
OECD Guideline 201 (Alga, Growth Inhibition Test)

#### 12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

#### 12.2. Persistence and degradability

##### 12.2.1. Substances

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

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

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Biodegradability : Rapidly degradable.

#### 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, 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 2022 [41-22] - ICAO/IATA 2024 [65]).

#### 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**

III

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

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

\*If Q &lt;450l, see 2.2.3.1.5.1.

| IMDG | Class | 2°Label | Pack gr. | LQ  | EMS      | Provis.            | EQ | Stowage<br>Handling | Segregation |
|------|-------|---------|----------|-----|----------|--------------------|----|---------------------|-------------|
|      | 3     | -       | III      | 5 L | F-E. S-E | 163 223<br>367 955 | E1 | Category<br>A       | -           |

\*if Q &lt; 450 l see IMDG 2.3.2.5.

| IATA | Class | 2°Label | Pack gr. | Passager | Passager | Cargo | Cargo | note           | EQ |
|------|-------|---------|----------|----------|----------|-------|-------|----------------|----|
|      | 3     | -       | III      | 355      | 60 L     | 366   | 220 L | A3 A72<br>A192 | E1 |
|      | 3     | -       | III      | Y344     | 10 L     | -     | -     | A3 A72<br>A192 | E1 |

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:**

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.

**Persistent organic pollutants (POP) (Regulation (EU) 2019/1021):**

The mixture does not contain a persistent organic pollutant.

**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 :**

|      |                              |
|------|------------------------------|
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed.        |

|        |                                                                     |
|--------|---------------------------------------------------------------------|
| H304   | May be fatal if swallowed and enters airways.                       |
| H317   | May cause an allergic skin reaction.                                |
| H318   | Causes serious eye damage.                                          |
| H319   | Causes serious eye irritation.                                      |
| H336   | May cause drowsiness or dizziness.                                  |
| H360D  | May damage the unborn child.                                        |
| 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.                    |
| H412   | Harmful to aquatic life with long lasting effects.                  |
| EUH066 | Repeated exposure may cause skin dryness or cracking.               |

**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.  
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  
CMR: Carcinogenic, mutagenic or reprotoxic.  
STEL : Short-term exposure limit  
TWA : Time Weighted Averages  
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).  
GHS02 : Flame  
PBT: Persistent, bioaccumulable and toxic.  
vPvB : Very persistent, very bioaccumulable.  
SVHC : Substances of very high concern.