

# 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 : SHINE & GO  
Product code : 58205  
UFI : Q566-K590-A00T-3AXN

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

Paint and varnish restorer  
protective product  
for professional use

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

Registered company name : MOTUL  
Address : 119, Boulevard Felix Faure. 93300 AUBERVILLIERS CEDEX FRANCE  
Telephone : 33.1.48.11.70.00. Fax: 33.1.48.33.28.79. Telex: .  
Email : motul\_hse@motul.fr

### 1.4. Emergency telephone number : +44 (0) 1235 239 670.

Association/Organisation : CARECHEM 24/7 NCEC..

### Other emergency numbers

BRAZIL : +55 11 3197 5891 / COLOMBIA : +57 601 508 7337 / ARGENTINA : +54 11 5984 3690 / CHILE : +562 2582 9336  
Ireland : +353 1 8092566  
UNITED STATES: 001 866 928 0789 / CANADA: 001 800 579 7421 / MEXICO : +52 55 5004 8763 / MIDDLE EAST - AFRICA : +44 1235 239671  
24 hours a day, 7 days a week

## 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).  
Skin irritation, Category 2 (Skin Irrit. 2, H315).  
May produce an allergic reaction (EUH208).  
Aspiration hazard, Category 1 (Asp. Tox. 1, H304).  
Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).  
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 :



GHS09

GHS08

GHS02

GHS07

Signal Word :

DANGER

Product identifiers :

EC 927-510-4 HYDROCARBONS,C7,N-ALKANES,ISOALKANES,CYCLICS

Additional labeling :

EUH208 Contains ALPHA PINENE. May produce an allergic reaction.  
EUH208 Contains D-LIMONENE. May produce an allergic reaction.  
EUH208 Contains TERPINOLENE. May produce an allergic reaction.  
EUH208 Contains EUCALYPTOL. May produce an allergic reaction.

Hazard statements :

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.

H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
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.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P261 Avoid breathing spray.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
Precautionary statements - Response :  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...  
P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water.  
P331 Do NOT induce vomiting.  
P391 Collect spillage.  
Precautionary statements - Storage :  
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
Precautionary statements - Disposal :  
P501 Dispose of contents / container in accordance with local / regional / national / international regulations



### 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              | %                   |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
| CAS: 106-97-8<br>EC: 203-448-7<br><br>BUTANE                                                 | GHS02<br>Dgr<br>Flam. Gas 1A, H220                                                                                                                                                       | C<br>[i]<br>[vii] | 50 $\leq$ x % < 100 |
| CAS: 75-28-5<br>EC: 200-857-2<br><br>ISOBUTANE                                               | GHS02<br>Dgr<br>Flam. Gas 1A, H220                                                                                                                                                       | C<br>[i]<br>[vii] | 10 $\leq$ x % < 25  |
| EC: 927-510-4<br>REACH: 01-2119475515-33<br><br>HYDROCARBONS,C7,N-ALKANES,ISOALKANES,CYCLICS | GHS07, GHS09, GHS08, GHS02<br>Dgr<br>Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Aquatic Chronic 2, H411                                        |                   | 10 $\leq$ x % < 25  |
| CAS: 74-98-6<br>EC: 200-827-9<br><br>PROPANE                                                 | GHS02<br>Dgr<br>Flam. Gas 1A, H220                                                                                                                                                       | [i]<br>[vii]      | 10 $\leq$ x % < 25  |
| CAS: 80-56-8<br>EC: 201-291-9<br><br>ALPHA PINENE                                            | GHS07, GHS09, GHS08, GHS02<br>Dgr<br>Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400<br>M Acute = 1 | [i]               | 0 $\leq$ x % < 1    |

|                                                     |                                                                                                                                                                                                                |     |              |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------|
|                                                     | Aquatic Chronic 1, H410<br>M Chronic = 1                                                                                                                                                                       |     |              |
| CAS: 5989-27-5<br>EC: 227-813-5<br><br>D-LIMONENE   | GHS07, GHS09, GHS08, GHS02<br>Dgr<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400<br>M Acute = 1<br>Aquatic Chronic 1, H410<br>M Chronic = 1 | [i] | 0 <= x % < 1 |
| CAS: 586-62-9<br>EC: 209-578-0<br><br>TERPINOLENE   | GHS09, GHS07, GHS08<br>Dgr<br>Asp. Tox. 1, H304<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400<br>M Acute = 1<br>Aquatic Chronic 1, H410<br>M Chronic = 1                                                     |     | 0 <= x % < 1 |
| CAS: 470-82-6<br>EC: 207-431-5<br><br>EUCALYPTOL    | GHS07, GHS02<br>Wng<br>Flam. Liq. 3, H226<br>Skin Sens. 1B, H317<br>Eye Irrit. 2, H319                                                                                                                         |     | 0 <= x % < 1 |
| CAS: 469-61-4<br>EC: 207-418-4<br><br>ALPHA CEDRENE | GHS07, GHS09, GHS08<br>Dgr<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Aquatic Acute 1, H400<br>M Acute = 10<br>Aquatic Chronic 1, H410<br>M Chronic = 10                                                   |     | 0 <= x % < 1 |

**Specific concentration limits:**

| Identification                                    | Specific concentration limits | ATE                       |
|---------------------------------------------------|-------------------------------|---------------------------|
| CAS: 586-62-9<br>EC: 209-578-0<br><br>TERPINOLENE |                               | oral: ATE = 3775 mg/kg BW |
| CAS: 470-82-6<br>EC: 207-431-5<br><br>EUCALYPTOL  |                               | oral: ATE = 2480 mg/kg BW |

**Information on ingredients :**

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

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

[vii] 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 exposure by inhalation :**

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

Apply resuscitation techniques. Prolonged clinical monitoring may be necessary.

**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.

Immediately remove all soiled clothing.

**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.

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

Seek medical attention immediately, 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 (CO<sub>2</sub>)

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.

Spilled product may make surfaces slippery.

**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.

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.

In case of accidental release neutralize with sand or inert material .....

### 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.

Remove contaminated clothing and protective equipment before entering eating areas.

To be translated (XML)

Spray in short bursts, without prolonged spraying.

Follow standard health and safety rules on account of flammability.

### 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.

Never inhale this mixture.

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.

Take precautionary measures against static discharges by bonding and grounding equipment.

### 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.

Ensure good ventilation at the workplace

Keep in original container. Do not pierce or burn, even after usage.

Storage and handling instructions applicable to pressurised gases.

### Prohibited equipment and procedures :

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

Never open the packages under pressure.

Do not breathe fumes, vapour, spray.

Avoid high temperatures

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

No data available.

### Storage

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.

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 :**

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

| CAS      | TWA :    | STEL : | Ceiling : | Definition : | Criteria : |
|----------|----------|--------|-----------|--------------|------------|
| 106-97-8 | 1000 ppm | -      | -         | -            | -          |
| 75-28-5  | 1000 ppm | -      | -         | -            | -          |
| 74-98-6  | 1000 ppm | -      | -         | -            | -          |
| 80-56-8  | 20 ppm   | -      | -         | SEN; A4      | -          |

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

| CAS       | VME : | VME :                  | Excess | Notes | - |
|-----------|-------|------------------------|--------|-------|---|
| 106-97-8  | -     | 1000 ppm<br>2400 mg/m3 | -      | 4(II) | - |
| 75-28-5   | -     | 1000 ppm<br>2400 mg/m3 | -      | 4(II) | - |
| 74-98-6   | -     | 1000 ppm<br>1800 mg/m3 | -      | 4(II) | - |
| 5989-27-5 | -     | 5 ppm<br>28 mg/m3      | -      | 4(II) | - |

- 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 : |
|----------|-----------|-------------|-----------|-------------|---------|----------|
| 106-97-8 | 800       | 1900        | -         | -           | -       |          |

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

| CAS      | TWA :                 | STEL :                | Ceiling : | Definition : | Criteria : |
|----------|-----------------------|-----------------------|-----------|--------------|------------|
| 106-97-8 | 600 ppm<br>1450 mg/m3 | 750 ppm<br>1810 mg/m3 | -         | Carc         | -          |

**8.2. Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.  
Personnel shall wear regularly laundered overalls.

**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)

|                     |          |   |   |   |   |
|---------------------|----------|---|---|---|---|
| Glove thickness:    | 0.38 mm  | - | - | - | - |
| Break-through time: | > 480 mn | - | - | - | - |

**- 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 : | Fluid liquid. |
|                  | Spray.        |

**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 : | Not relevant. |
|------------------------|---------------|

**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. |
|------------------|-------------|

**Particle characteristics**

The mixture does not contain nanoforms.

**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

**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.

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.

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 :**

EUCALYPTOL (CAS: 470-82-6)

Oral route : LD50 = 2480 mg/kg bodyweight/day

TERPINOLENE (CAS: 586-62-9)

Oral route : LD50 = 3775 mg/kg bodyweight/day

**11.1.2. Mixture** **Respiratory or skin sensitisation :**

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

**Aspiration hazard :**

May be fatal if swallowed and enters airways.

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

**11.2. Information on other hazards** **Endocrine disrupting properties**

The mixture does not contain any substance evaluated as an endocrine disruptor with effects on human health.

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

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

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity 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**

ALPHA CEDRENE (CAS: 469-61-4)

Fish toxicity : 0.01 < LC50 <= 0.1 mg/l  
Factor M = 10

Duration of exposure : 96 h

#### 12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

#### 12.2. Persistence and degradability

##### 12.2.1. Substances

ALPHA CEDRENE (CAS: 469-61-4)

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

Not very mobile in soil.

The product is insoluble in water and will spread on the surface

#### 12.5. Results of PBT and vPvB assessment

No data available.

#### 12.6. Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with environmental effects.

#### 12.7. Other adverse effects

Do not dispose of the product in the natural environment, effluents or surface waters.

### 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.

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

14 06 03 \* other solvents and solvent mixtures

### 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

1950

#### 14.2. UN proper shipping name

UN1950=AEROSOLS, flammable

#### 14.3. Transport hazard class(es)

- Classification :



2.1

#### 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 |
|---------|-------|----------|----------|-----------|----------|-------------------------------------|--------------------|-------------------|-------------|--------|
|         | 2     | 5F       | -        | 2.1       | -        | 1 L                                 | 190 327<br>344 625 | E0                | 2           | D      |
| IMDG    | Class | 2°Label  | Pack gr. | LQ        | EMS      | Provis.                             | EQ                 | Stowage Handling  | Segregation |        |
|         | 2     | See SP63 | -        | See SP277 | F-D. S-U | 63 190<br>277 327<br>344 381<br>959 | E0                 | - SW1<br>SW22     | SG69        |        |
| IATA    | Class | 2°Label  | Pack gr. | Passager  | Passager | Cargo                               | Cargo              | note              | EQ          |        |
|         | 2.1   | -        | -        | 203       | 75 kg    | 203                                 | 150 kg             | A145 A167<br>A802 | E0          |        |
|         | 2.1   | -        | -        | Y203      | 30 kg G  | -                                   | -                  | A145 A167<br>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):(alpha cedrene)

**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. 2023/707.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2024/197. (ATP 21)

**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 :**

Total net weight of the aerosol (active product + gas) : 440 g

**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.                      |
| H225 | Highly flammable liquid and vapour.           |
| H226 | Flammable liquid and vapour.                  |
| H302 | Harmful if swallowed.                         |
| H304 | May be fatal if swallowed and enters airways. |

|      |                                                       |
|------|-------------------------------------------------------|
| H315 | Causes skin irritation.                               |
| H317 | May cause an allergic skin reaction.                  |
| H319 | Causes serious eye irritation.                        |
| H336 | May cause drowsiness or dizziness.                    |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects.      |

**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.  
REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.  
ATE : Acute Toxicity Estimate  
BW : Body Weight  
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 : Wassergefährdungsklasse (Water Hazard Class).  
GHS02 : Flame  
GHS07 : Exclamation mark  
GHS08 : Health hazard  
GHS09 : Environment  
PBT: Persistent, bioaccumulable and toxic.  
vPvB : Very persistent, very bioaccumulable.  
SVHC : Substances of very high concern.