

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 : SOPPEC - SMARK FLUO
Product code : 1419--.
UFI : 92AD-HURP-YD6R-W58Q

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

1.3. Details of the supplier of the safety data sheet

Registered company name : TECHNIMA France.
Address : ZI - 5, rue Ampère.16440.NERSAC.FRANCE.
Telephone : +33545909312. Fax : .
regulation@technima.com

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

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

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Aerosol, Category 1 (Aerosol 1, H222 - H229).
Repeated exposure may cause skin dryness or cracking (EUH066).
Eye irritation, Category 2 (Eye Irrit. 2, H319).
Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H336).
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.
The propellant gas is not taken into account when determining the health and environmental classification of the mixture.

2.2. Label elements

Mixture for aerosol application.

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

Hazard pictograms :



GHS02



GHS07

Signal Word :

DANGER

Product identifiers :

607-022-00-5

ETHYL ACETATE

Additional labeling :

Hazard statements :

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

EUH066

Repeated exposure may cause skin dryness or cracking.

Precautionary statements - General :

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P210

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

P211

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

P251

Do not pierce or burn, even after use.

Precautionary statements - Storage :

P410 + P412

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Other information :

Do not use in a confined space.

Not to be used for any usage other than those specified.

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 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 $\geq 0.1\%$ 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 | (EC) 1272/2008 | Note | % |
|--|--|-----------------|---------------------|
| INDEX: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4 REACH: 01-2119475103-46 ETHYL ACETATE | GHS02, GHS07 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH:066 | [1] | 10 \leq x % < 25 |
| INDEX: 601-004-00-0 CAS: 106-97-8 EC: 203-448-7 REACH: 01-2119474691-32 BUTANE | GHS02, GHS04 Dgr Flam. Gas 1, H220 | C [1] [7] | 10 \leq x % < 25 |
| EC: 919-857-5 REACH: 01-2119463258-33-xxxx HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2 % AROMATICS | GHS08, GHS07, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 EUH:066 | P | 10 \leq x % < 25 |
| CAS: 74-98-6 EC: 200-827-9 REACH: 01-2119486944-21 PROPANE | GHS02 Dgr Flam. Gas 1, H220 | [1] [7] | 10 \leq x % < 25 |
| EC: 927-241-2 REACH: 01-2119471843-32 HYDROCARBONS, C9-C10, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS | GHS08, GHS07, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 3, H412 EUH:066 | P | 2.5 \leq x % < 10 |
| CAS: 75-28-5 EC: 200-857-2 REACH: 01-2119485395-27 ISOBUTANE (CONTENANT MOINS DE 0.1% DE BUTADIENE) | GHS02 Dgr Flam. Gas 1, H220 | [1] [7] | 10 \leq x % < 25 |

Information on ingredients :

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

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

[7] Propellant gas

Note P: The carcinogen or mutagen classification does not apply because the substance contains less than 0.1 % w/w of benzene (EINECS 200-753-7).

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 massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

In the event of splashes or contact with eyes :

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

If there is any redness, pain or visual impairment, consult an ophthalmologist.

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 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
- water

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 inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

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.

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

Do not pierce or burn, even after use.

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

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

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

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Do not breathe in aerosols.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapor extraction at the emission source and also general ventilation of the premises.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

In all cases, recover emissions at source.

Avoid skin and eye contact with this mixture.

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

Prohibited equipment and procedures :

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

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

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

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

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

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

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

Packaging

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

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters**Occupational exposure limits :**

- European Union (2022/431, 2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

| CAS | VME-mg/m ³ : | VME-ppm : | VLE-mg/m ³ : | VLE-ppm : | Notes : |
|----------|-------------------------|-----------|-------------------------|-----------|---------|
| 141-78-6 | 734 | 200 | 1468 | 400 | - |

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

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|----------|----------|--------|-----------|--------------|------------|
| 141-78-6 | 400 ppm | | | | |
| 106-97-8 | 1000 ppm | | | | |
| 74-98-6 | 1000 ppm | | | | |
| 75-28-5 | 1000 ppm | | | | |

- Denmark (2020) :

| Stof | TWA | VSTEL | Loftvaerdi | Anm |
|----------|------------------------------------|-------|------------|-----|
| 141-78-6 | 150 ppm 540 mg/m ³ | | | E |
| 106-97-8 | 500 ppm 1200 mg/m ³ | | | |
| 74-98-6 | 1000 ppm 1800 mg/m ³ | | | |

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

| CAS | VME-ppm : | VME-mg/m ³ : | VLE-ppm : | VLE-mg/m ³ : | Notes : | TMP No : |
|----------|-----------|-------------------------|-----------|-------------------------|---------|----------|
| 141-78-6 | 200 | 734 | 400 | 1468 | - | 84 |
| 106-97-8 | 800 | 1900 | - | - | - | - |

- Finland (HTP-värden 2018) :

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|----------|-----------------------------------|------------------------------------|-----------|--------------|------------|
| 141-78-6 | 200 ppm 730 mg/m ³ | 400 ppm 1470 mg/m ³ | | | |
| 74-98-6 | 800 ppm 1500 mg/m ³ | 1100 ppm 2000 mg/m ³ | | | |

- Norway (Veiledning om administrative normer for forurensning i arbeidsatmosfære, 2019) :

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|----------|----------------------------------|-----------------------------------|-----------|--------------|------------|
| 141-78-6 | 200 ppm 734 mg/m ³ | 400 ppm 1468 mg/m ³ | | E | |
| 106-97-8 | 250 ppm 600 mg/m ³ | | | | |
| 74-98-6 | 500 ppm 900 mg/m ³ | | | | |

- Netherlands / MAC-waarde (10 december 2014) :

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|----------|---------|---------|-----------|--------------|------------|
| 141-78-6 | 150 ppm | 300 ppm | - | - | - |
| 106-97-8 | 600 ppm | - | - | - | - |

- Switzerland (Suva 2021) :

| CAS | VME | VLE | Valeur plafond | Notations |
|----------|------------------------------------|------------------------------------|----------------|-----------|
| 141-78-6 | 200 ppm 730 mg/m ³ | 400 ppm 1460 mg/m ³ | | |
| 106-97-8 | 800 ppm 1900 mg/m ³ | 3200 ppm 7600 mg/m ³ | | |
| 74-98-6 | 1000 ppm 1800 mg/m ³ | 4000 ppm 7200 mg/m ³ | | |
| 75-28-5 | 800 ppm 1900 mg/m ³ | 3200 ppm 7600 mg/m ³ | | |

- Sweden (AFS 2018 :1) :

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|----------|----------------------------------|-----------------------------------|-----------|--------------|------------|
| 141-78-6 | 150 ppm 550 mg/m ³ | 300 ppm 1100 mg/m ³ | | | |

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

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|----------|-----------------------------------|-----------------------------------|-----------|--------------|------------|
| 141-78-6 | 200 ppm 734 mg/m ³ | 400 ppm 1468 mg/m ³ | | | |
| 106-97-8 | 600 ppm 1450 mg/m ³ | 750 ppm 1810 mg/m ³ | | Carc | |

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 with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- 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.

- Respiratory protection

Avoid inhaling vapors.

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

Type of FFP mask :

Wear a disposable half-mask aerosol filter in accordance with standard EN149/A1.

Category :

- FFP1

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A1 (Brown)

Particle filter according to standard EN143 :

- P1 (White)

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

| | |
|------------------|-----------------|
| Physical state : | Viscous liquid. |
|------------------|-----------------|

Colour

Various

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. |
| 9.2. Other information | |
| No data available. | |
| 9.2.1. Information with regard to physical hazard classes | |
| No data available. | |
| Aerosols | |
| Chemical combustion heat : | Not specified. |
| Inflammation time : | Not specified. |
| Deflagration density : | Not specified. |
| Inflammation distance : | Not specified. |
| Flame height : | Not specified. |
| Flame duration : | Not specified. |
| 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
- humidity

10.5. Incompatible materials

Keep away from :

- water

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.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

Splashes in the eyes may cause irritation and reversible damage

Narcotic effects may occur, such as drowsiness, narcosis, decreased alertness, loss of reflexes, lack of coordination or dizziness.

Effects may also occur in the form of violent headaches or nausea, judgement disorder, giddiness, irritability, fatigue or memory disturbance.

11.1.1. Substances

Acute toxicity :

HYDROCARBONS, C9-C10, 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 > 5000 mg/kg
Species : Rabbit
OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)

Inhalation route (Dusts/mist) : LC50 > 5000 mg/m³
Species : Rat
OCDE Ligne directrice 403 (Toxicité aiguë par inhalation)

HYDROCARBONS, C9-C11, 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 > 5000 mg/kg
Species : Rabbit
OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)

Inhalation route (Vapours) : LC50 > 5000 mg/l
Species : Rat
OCDE Ligne directrice 403 (Toxicité aiguë par inhalation)

11.1.2. Mixture

No toxicological data available for the mixture.

11.2. Information on other hazards

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

HYDROCARBONS, C9-C10, 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.

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

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

-

14.6. Special precautions for user

| ADR/RID | Class | Code | Pack gr. | Label | Ident. | LQ | Provis. | EQ | Cat. | Tunnel |
|---------|-------|----------|----------|-----------|----------|-------------------------------------|--------------------|------------------|-------------|--------|
| | 2 | 5F | - | 2.1 | - | 1 L | 190 327 344 625 | 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 | 63 190 277 327 344 381 959 | E0 | - SW1 SW22 | SG69 | |

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

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.

- Swiss ordinance on the incentive tax on volatile organic compounds :

| | |
|----------|--|
| 75-28-5 | 2-méthylpropane (alcool isobutylique, isobutane) |
| 141-78-6 | acétate d'éthyle |
| 74-98-6 | propane |
| 106-97-8 | n-butane |

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. |
| H304 | May be fatal if swallowed and enters airways. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H412 | Harmful to aquatic life with long lasting effects. |
| 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.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

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

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

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.