

# 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 : AEROBITUME - SPRAY BITUMINEUX

Product code : 143003.

UFI : SF1S-6D2G-U009-N8CA

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

Aerosol bitumen

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

Registered company name : Technima Central GmbH.

Address : Kreuzerweg 13.77955 .ETTENHEIM.GERMANY.

Telephone : +497822789000. Fax : +4978227890019.

### 1.4. Emergency telephone number : +49 761 192 40.

Association/Organisation : Vergiftungs-Informations-Zentrale Freiburg.

### Other emergency numbers

Austria : +43 1 406 43 43

Belgium : +32 70 245 245

Bulgaria : +359 2 9154 233

Czech Republic : +420 224 919 293

Croatia : +3851 2348 342

Cyprus : 1401

Denmark : 112 / Giftinformasjonen: 82 12 12 12

Estonia : 16662

Finland : 112 / Poison information central 0800 147 111

France : + 33 1 45 42 59 59

Germany : 0761 192 40

Greece : (0030) 2107793777

Hungary : +36 80 201 199

Iceland : 543 2222

Ireland : +353 1 809 2166 / +353 1 809 2566

Italy: +39 02 66101029

Latvia : +371 67042473

Lithuania : +370 (5) 2362052

Luxembourg : (+352) 8002 5500

Malta : 1774

Netherlands : +31 88 755 80 00

Norway : 112 / Giftlinjen : +47 22 59 13 00

Poland : +48 42 63 14 724

Portugal : +351 800 250 250

Romania : +40 21 599 2300

Slovakia : +421 2 5477 4166

Slovenia : 112

Spain : + 34 91 562 04 20

Sweden : 112 / Giftinformationscentralen 010-456 67 00

Switzerland : 145

## 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).

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H336).

Specific target organ toxicity (repeated exposure), Category 1 (STOT RE 1, H372).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

The propellant gas is not taken into account when determining the health and environmental classification of the mixture.

## 2.2. Label elements

The mixture is an aerosol fitted with a sealed spray attachment.

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

Hazard pictograms :



Signal Word :

DANGER

Product identifiers :

EC 919-446-0

HYDROCARBONS C9-C12, N-ALKANES, ISOALKANES, CYCLIC, AROMATIC (2-25%)

EC 629-715-1

FATTY ACIDS, C18 UNSAT, REACTION PRODUCTS WITH DIETHYLENETRIAMINE

EC 629-765-4

FATTY ACIDS C18 UNSAT, REACTION PRODUCTS WITH TRIETHYLENETETRAMINE

Hazard statements :

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H317

May cause an allergic skin reaction.

H336

May cause drowsiness or dizziness.

H372

Causes damage to organs through prolonged or repeated exposure .

H411

Toxic to aquatic life with long lasting effects.

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.

Precautionary statements - Disposal :

P501

Dispose of contents / container in accordance with national 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              | %                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|
| INDEX: A9194460<br>CAS: NON ATTRIBUE<br>EC: 919-446-0<br>REACH: 01-2119458049-33<br><br>HYDROCARBONS C9-C12, N-ALKANES, ISOALKANES, CYCLIC, AROMATIC (2-25%) | GHS09, GHS07, GHS08, GHS02<br>Dgr<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>STOT SE 3, H336<br>STOT RE 1, H372<br>Aquatic Chronic 2, H411<br>EUH066 |                   | 25 $\leq$ x % < 50 |
| INDEX: 601-004-00-0<br>CAS: 106-97-8<br>EC: 203-448-7<br>REACH: 01-2119474691-32                                                                             | GHS02, GHS04<br>Dgr<br>Flam. Gas 1A, H220                                                                                                               | C<br>[i]<br>[vii] | 10 $\leq$ x % < 25 |

|                                                                                                                                      |                                                                                                                                                                                                     |  |                |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------|
| BUTANE                                                                                                                               |                                                                                                                                                                                                     |  |                |
| INDEX: 6297151<br>CAS: 1226892-43-8<br>EC: 629-715-1<br><br>FATTY ACIDS, C18 UNSAT,<br>REACTION PRODUCTS WITH<br>DIETHYLENTRIAMINE   | GHS05, GHS09, GHS07<br>Dgr<br>Skin Corr. 1C, H314<br>Skin Sens. 1A, H317<br>STOT SE 3, H335<br>Aquatic Acute 1, H400<br>M Acute = 1<br>Aquatic Chronic 1, H410<br>M Chronic = 1                     |  | 0.1 <= x % < 1 |
| INDEX: 6297654<br>CAS: 1226892-44-9<br>EC: 629-765-4<br><br>FATTY ACIDS C18 UNSAT, REACTION<br>PRODUCTS WITH<br>TRIETHYLENETETRAMINE | GHS05, GHS09, GHS07<br>Dgr<br>Skin Corr. 1C, H314<br>Skin Sens. 1A, H317<br>Eye Dam. 1, H318<br>STOT SE 3, H335<br>Aquatic Acute 1, H400<br>M Acute = 1<br>Aquatic Chronic 1, H410<br>M Chronic = 1 |  | 0.1 <= x % < 1 |

**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 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 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 :**

Do not give the patient anything orally.

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

Seek medical attention immediately, showing 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
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO<sub>2</sub>)
- halon

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

#### Unsuitable methods of extinction

- In the event of a fire, do not use :
- water jet

#### 5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

#### 5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, 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

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.

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.

#### 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.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

#### 7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Remove contaminated clothing and protective equipment before entering eating areas.

##### Fire prevention :

Handle in well-ventilated areas.

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 exposure - obtain special instructions before use.

#### Prohibited equipment and procedures :

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

Never open the packages under pressure.

#### 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.

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 :

- UK :

| CAS      | TWA :      | STEL :     | Ceiling : | Definition : | Criteria : |
|----------|------------|------------|-----------|--------------|------------|
| 106-97-8 | 600 ppm    | 750 ppm    | -         | -            | -          |
| BUTANE   | 1450 mg/m3 | 1810 mg/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.

**- 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. |
|                  | 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**

Flammable.

**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**

|             |     |
|-------------|-----|
| VOC (g/l) : | 455 |
| % VOC :     | 60  |

**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**

No data available.

**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****11.1.1. Substances****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 :**

No data available.

**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. Mixture**

**11.1.2.1 Information on hazard classes**

**a) Acute toxicity :**

Oral route : No data available.

Dermal route : No data available.

Inhalation route (Dusts/mist) : No data available.

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

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.

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

No data available.

**d) Respiratory or skin sensitisation :**

May cause an allergic reaction by skin contact.

**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 :**

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.

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

Causes severe damage to organs in the event of repeated or prolonged exposure.

**j) Aspiration hazard :**

No data available.

**11.1.2.2 Other information**

**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.

**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**

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

No data available.

**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**

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

**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.

**Local arrangements :**

Waste code: 16 05 04

**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 2025 - IMDG 2024 [42-24] - ICAO/IATA 2026 [67]).

**14.1. UN number or ID number**

1950

**14.2. UN proper shipping name**

UN1950=AEROSOLS, asphyxiant

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

- Classification :



2.2

**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     | 5A       | -        | 2.2       | -        | 1 L                                 | 190 327<br>344 625 | E0                    | 3           | E      |
| IMDG    | Class | 2°Label  | Pack gr. | LQ        | EMS      | Provis.                             | EQ                 | Stowage<br>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          |        |
|         | 2.2   | -        | -        | 203       | 75 kg    | 203                                 | 150 kg             | A98 A145<br>A167 A802 | E0          |        |
|         | 2.2   | -        | -        | Y203      | 30 kg G  | -                                   | -                  | A98 A145<br>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.

Marine pollutant (IMDG 3.1.2.9):(hydrocarbons c9-c12, n-alkanes, isoalkanes, cyclic, aromatic (2-25%))

#### 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:

- Directive 75/324/CEE modified by directive 2013/10/UE
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2023/707.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2025/1222. (ATP 23)

#### Container information:

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

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

#### Particular provisions :

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>.

#### Authorisations agreed under Title VII of Regulation (EC) No.1907/2006 (REACH):

The mixture does not contain any substance subject to authorisation according to Annex XIV of REACH Regulation (EC) No 1907/2006:

<https://echa.europa.eu/fr/authorisation-list>.

#### Ozone-depleting substances (Regulation (EC) No 2024/590).

The mixture does not contain any substance posing a risk to the ozone layer.

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

The mixture does not contain a persistent organic pollutant.

#### PIC Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals (Rotterdam Convention):

The mixture is not subject to the Prior Informed Consent (PIC) procedure.

#### Explosives precursors :

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

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

|          |                              |
|----------|------------------------------|
| 75-28-5  | 2-methyl propane (isobutane) |
| 106-97-8 | n-butane                     |
| 74-98-6  | propane                      |

### 15.2. Chemical safety assessment

No data available.

## SECTION 16 : OTHER INFORMATION

#### Wording of the phrases mentioned in section 3 :

|        |                                                                  |
|--------|------------------------------------------------------------------|
| H220   | Extremely flammable gas.                                         |
| H226   | Flammable liquid and vapour.                                     |
| H304   | May be fatal if swallowed and enters airways.                    |
| H314   | Causes severe skin burns and eye damage.                         |
| H317   | May cause an allergic skin reaction.                             |
| H318   | Causes serious eye damage.                                       |
| H335   | May cause respiratory irritation.                                |
| H336   | May cause drowsiness or dizziness.                               |
| H372   | Causes damage to organs through prolonged or repeated exposure . |
| 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.                 |
| EUH066 | Repeated exposure may cause skin dryness or cracking.            |

#### Abbreviations and acronyms :

LQ : Limited Quantity  
EQ : Excepted Quantity  
EmS : Emergency Schedule  
E : Packing Instruction

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

UFI : Unique formulation identifier.

STEL : Short-term exposure limit

TWA : Time-Weighted Average

VLE : Threshold Limit Value (exposure)

VME : Average Exposure Value.

ADR : Agreement concerning the international carriage of dangerous goods by road.

GHS02 : Flame

GHS07 : Exclamation mark

GHS08 : Health hazard

GHS09 : Environment

IATA : International Air Transport Association.

IMDG : International Maritime Dangerous Goods.

ICAO : International Civil Aviation Organisation

PBT: Persistent, bioaccumulable and toxic.

PIC: Prior Informed Consent.

POP: Persistent Organic Pollutant.

RID : Regulations concerning the International carriage of Dangerous goods by rail.

SVHC : Substances of very high concern.

WGK : Water Hazard Class.

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The information contained in this safety data sheet is based on our current knowledge at the time of publication and is provided in good faith. It does not constitute any guarantee of specific product properties nor establish any contractual relationship. The user remains solely responsible for safe and compliant use of the product in accordance with current regulations.  
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