## 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 - ULTRA-CLEAN

Product code: 4920002. UFI: 9J81-JAAA-0S0C-GN3U

### 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 Central GmbH. Address: Kreuzerweg 13.77955.ETTENHEIM.GERMANY. Telephone: +497822789000. Fax: +4978227890019. 1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

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

Other emergency numbers

INTERNATIONAL SUPPORT: http://echa.europa.eu/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks

### **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).

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

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

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:

**ORANGENTERPENE** EC 232-433-8

Hazard statements:

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements - General:

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.

P261 Avoid breathing spray.

P273 Avoid release to the environment.

Precautionary statements - Response :

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

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 to ...

Other information:

Reserved for professional users. Do not use in a confined space.

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

### 2.3. Other hazards

P280

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006. The mixture does not contain substances> = 0.1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/

### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.2. Mixtures

### Composition:

| Identification               | (EC) 1272/2008             | Note | %               |
|------------------------------|----------------------------|------|-----------------|
| INDEX: 603-002-00-5          | GHS02                      | [1]  | 50 <= x % < 100 |
| CAS: 64-17-5                 | Dgr                        |      |                 |
| EC: 200-578-6                | Flam. Liq. 2, H225         |      |                 |
| ETHANOL                      |                            |      |                 |
| CAS: 8028-48-6               | GHS07, GHS09, GHS08, GHS02 |      | 10 <= x % < 25  |
| EC: 232-433-8                | Dgr                        |      |                 |
| REACH: 01-2119493353-35-XXXX | Flam. Liq. 3, H226         |      |                 |
|                              | Asp. Tox. 1, H304          |      |                 |
| ORANGENTERPENE               | Skin Irrit. 2, H315        |      |                 |
|                              | Skin Sens. 1, H317         |      |                 |
|                              | Aquatic Chronic 2, H411    |      |                 |
| INDEX: 601-004-00-0          | GHS02, GHS04               | С    | 10 <= x % < 25  |
| CAS: 106-97-8                | Dgr                        | [1]  |                 |
| EC: 203-448-7                | Flam. Gas 1, H220          | [7]  |                 |
| REACH: 01-2119474691-32      |                            |      |                 |
| BUTANE                       |                            |      |                 |
| CAS: 74-98-6                 | GHS02                      | [1]  | 2.5 <= x % < 10 |
| EC: 200-827-9                | Dgr                        | [7]  |                 |
| REACH: 01-2119486944-21      | Flam. Gas 1, H220          |      |                 |
| PROPANE                      |                            |      |                 |

## Information on ingredients:

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

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

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

### In the event of swallowing:

Do not give the patient anything orally.

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

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.

### 4.2. Most important symptoms and effects, both acute and delayed

No data available.

### 4.3. Indication of any immediate medical attention and special treatment needed

No data available.

### **SECTION 5: FIREFIGHTING MEASURES**

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

#### 5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

### Suitable methods of extinction

In the event of a fire, use:

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

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

#### Unsuitable methods of extinction

In the event of a fire, do not use:

water jet

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

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

Do not breathe in smoke.

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

- carbon monoxide (CO)
- carbon dioxide (CO2)

### 5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

## 6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

### For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid any contact with the skin and eyes.

### For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

## 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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.

Ensure that there is adequate ventilation, especially in confined areas.

Remove contaminated clothing and protective equipment before entering eating 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.

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.

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.

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 : |  |
|----------|----------|----------|-----------|--------------|------------|--|
| 64-17-5  |          | 1000 ppm |           | A3           |            |  |
| 106-97-8 | 1000 ppm |          |           |              |            |  |
| 74-98-6  | 1000 ppm |          |           |              |            |  |

### - Denmark (2020) :

| Stof     | TWA                    | VSTEL | Loftvaerdi | Anm |
|----------|------------------------|-------|------------|-----|
| 64-17-5  | 1000 ppm               |       |            |     |
|          | 1900 mg/m <sup>3</sup> |       |            |     |
| 106-97-8 | 500 ppm                |       |            |     |
|          | 1200 mg/m <sup>3</sup> |       |            |     |
| 74-98-6  | 1000 ppm               |       |            |     |

Long term local effects.

Dermal contact.

Exposure method:

Potential health effects:

DNEL: 4.44 mg/kg body weight/day

Exposure method:

Potential health effects:

DNEL:

Dermal contact.

Short term local effects.

92.9 µg of substance/cm2

Exposure method: Inhalation.

Potential health effects: Long term local effects.

DNEL: 7.78 mg of substance/m3

### Predicted no effect concentration (PNEC):

ORANGENTERPENE (CAS: 8028-48-6)

Environmental compartment: Soil.

PNEC: 0.261 mg/kg

Environmental compartment: Fresh water. PNEC : 5.4 mg/l

Environmental compartment: Sea water. PNEC: 0.54 mg/l

Environmental compartment: Intermittent waste water.

PNEC: 5.77 mg/l

Environmental compartment: Fresh water sediment.

PNEC: 1.3 mg/kg

Environmental compartment: Marine sediment. PNEC: 0.13 mg/kg

Environmental compartment: Waste water treatment plant.

PNEC: 2.1 mg/l

### 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 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:

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

# - 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.

| 9.1. Information on basic physical and chemical properties |                                |
|--|--------------------------------|
| Physical state   |                                |
| Physical state :   | Gas.                           |
| Colour   |                                |
| Unspecified  |                                |
| Odour  |                                |
| Odour threshold :  | Not stated.                    |
| Melting point  |                                |
| Melting point/melting range :                              | Not relevant.                  |
| Freezing point   | - Total Grantin                |
| Freezing point / Freezing range :                          | Not stated.                    |
| Boiling point or initial boiling point and boiling range   | Not stated.                    |
| Boiling point/boiling range :                              | Not relevant.                  |
|  | Not relevant.                  |
| Flammability   | Not stated                     |
| Flammability (solid, gas) :                                | Not stated.                    |
| Lower and upper explosion limit                            | N. C. C. L.                    |
| 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.                  |
| рН   |                                |
| pH (aqueous solution):                                     | Not stated.                    |
| pH:  | Not relevant.                  |
| Kinematic viscosity  |                                |
| Viscosity:   | Not stated.                    |
| Solubility   |                                |
| Water solubility :   | Soluble.                       |
| 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                            | <u>'</u>                       |
| 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   | Niet                           |
| Chemical combustion heat :                                 | Not specified.                 |
| Inflammation time :  | Not specified.                 |
| Deflagration density:                                      | Not specified.  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 - frost

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO2)

### **SECTION 11: TOXICOLOGICAL INFORMATION**

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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.

Splashes in the eyes may cause irritation and reversible damage

May cause an allergic reaction by skin contact.

### 11.1.1. Substances

No toxicological data available for the substances.

### 11.1.2. Mixture

No toxicological data available for the mixture.

## 11.2. Information on other hazards

### **SECTION 12: ECOLOGICAL INFORMATION**

Harmful 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

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.

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

16 05 04 \* gases in pressure containers (including halons) containing dangerous substances

### **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.

## 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.            | Tuni |
|---------|-------|----------|----------|-----------|----------|-------------------------------------|--------------------|---------------------|-----------------|------|
|         | 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<br>Handling | Segregati<br>on |      |
|         | 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.

## 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 :

64-17-5 éthanol, seulement s'il s'agit d'alcools impropres à la consommation (art. 31 de

la loi fédérale sur l'alcool)

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:

| 9    |  |
|------|--|
| H220 | Extremely flammable gas.                         |
| H225 | Highly flammable liquid and vapour.              |
| H226 | Flammable liquid and vapour.                     |
| H304 | May be fatal if swallowed and enters airways.    |
| H315 | Causes skin irritation.                          |
| H317 | May cause an allergic skin reaction.             |
| H411 | Toxic to aquatic life with long lasting effects. |

### Abbreviations:

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

DNEL : Derived No-Effect Level

AEV: Average Exposure Value.

PNEC : Predicted No-Effect Concentration

UFI: Unique formulation identifier.
STEL: Short-term exposure limit
TWA: Time Weighted Averages
TMP: French Occupational Illness table
TLV: Threshold Limit Value (exposure)

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods. IATA: International Air Transport Association. ICAO: International Civil Aviation Organisation

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

WGK : Wassergefahrdungsklasse (Water Hazard Class).

GHS02: Flame

GHS07: Exclamation mark

PBT: Persistent, bioaccumulable and toxic. vPvB: Very persistent, very bioaccumulable. SVHC: Substances of very high concern.