

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) .

## TEF HT

|               |                    |         |   |
|---------------|--------------------|---------|---|
| Creation date | 23rd October 2009  | Version | 5 |
| Revision date | 16th December 2022 |         |   |

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

**1.1. Product identifier** TEF HT  
Substance / mixture mixture

**1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**

Teflon spray

#### The use descriptors

IS Use at industrial sites  
PW Widespread use by professional workers

#### Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

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

#### Supplier

|                             |                                                |
|-----------------------------|------------------------------------------------|
| Name or trade name          | NOVATO                                         |
| Address                     | Uralská 770/6, Praha, 160 00<br>Czech Republic |
| Identification number (CRN) | 62910370                                       |
| VAT Reg No                  | CZ62910370                                     |
| Phone                       | +420 233 339 688                               |
| E-mail                      | petr.johanides@novato.cz                       |
| Web address                 | www.novato.cz                                  |

#### Competent person responsible for the safety data sheet

|        |                |
|--------|----------------|
| Name   | ABITEC         |
| E-mail | info@abitec.cz |

**1.4. Emergency telephone number**

European emergency number: 112

### SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

#### Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Aerosol 1, H229, H222

#### Most serious adverse physico-chemical effects

The mixture is extremely flammable. The container is under pressure: do not expose to sunlight and temperatures above 50 °C. Do not even puncture the empty container or throw it into the fire. Do not spray on open flames or hot objects. Keep away from sources of ignition - No smoking. Keep out of reach of children. Incomplete combustion can release dangerous gases.

#### Most serious adverse effects on human health and the environment

Frequent or long-term contact with the skin causes drying of the skin and even dermatitis. Direct eye contact may cause mild eye irritation (burning, itching, redness). Danger of frostbite in contact with liquid gas. Follow the instructions in the user manual. Avoid inhalation of aerosol, contact with eyes and skin contact. The mixture is not classified as dangerous for the environment. Follow the instructions for use to avoid risks to people and the environment. Avoid release to soil, ground or surface water or sewers. The full wording of the classification and H phrases is given in Sect. 16 of this safety data sheet.

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### 2.2. Label elements

#### Hazard pictogram



#### Signal word

Danger

#### Hazard statements

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

#### Precautionary statements

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 vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

#### Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

Neither the mixture nor its components meet the criteria for persistent, bioaccumulative and toxic or highly persistent and highly bioaccumulative substances in accordance with Annex XIII, nor have they been included in the list drawn up in accordance with Article 59, paragraph 1, due to the content of endocrine disruptors, nor has it been determined as a substance with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

| Identification numbers                                                                           | Substance name                                                  | Content in % weight | Classification according to Regulation (EC) No 1272/2008                                                                                                  | Note |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Index: 601-004-00-0<br>CAS: 75-28-5<br>EC: 200-857-2                                             | isobutane                                                       | 35-45               | Press. Gas,<br>Flam. Gas 1, H220                                                                                                                          | 1, 2 |
| Index: 601-003-00-5<br>CAS: 74-98-6<br>EC: 200-827-9<br>Registration number:<br>01-2119486944-21 | propane                                                         | 10-15               | Flam. Gas 1, H220<br>Press. Gas, H280                                                                                                                     |      |
| EC: 920-107-4                                                                                    | Hydrocarbons, C12-C15, n-alkanes,<br>isoalkanes, < 2% aromatics | 5-15                | Asp. Tox. 1, H304<br>EUH066                                                                                                                               |      |
| Index: 603-117-00-0<br>CAS: 67-63-0<br>EC: 200-661-7                                             | propan-2-ol                                                     | 4-10                | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>Specific concentration limit:<br>Eye Irrit. 2, H319: C ≥ 10 %<br>STOT SE 3, H336: C ≥ 20 % | 3    |

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| Identification numbers                                                                            | Substance name                                                     | Content in % weight | Classification according to Regulation (EC) No 1272/2008                                      | Note |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------|------|
| CAS: 68411-46-1<br>EC: 270-128-1                                                                  | N-phenyl-benzenamine-reaction products C<br>2,4,4-trimethylpentene | 2-5                 | Aquatic Chronic 3, H412<br>Specific concentration limit:<br>Aquatic Chronic 3, H412: C ≥ 25 % | 3    |
| Index: 601-004-00-0<br>CAS: 106-97-8<br>EC: 203-448-7<br>Registration number:<br>01-2119474691-32 | butane                                                             | 1-2                 | Flam. Gas 1, H220<br>Press. Gas, H280                                                         |      |

### Notes

- 1 Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- 2 Note U (Table 3): When put on the market gases have to be classified as "Gases under pressure", in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned:

Press. Gas (Comp.)  
Press. Gas (Liq.)  
Press. Gas (Ref. Liq.)  
Press. Gas (Diss.)

Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

- 3 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of health problems or in case of doubt, consult a physician and provide him with the information in this safety data sheet. In case of life-threatening conditions, perform resuscitation. Keep unconscious person in a stabilized position and do not give anything by mouth. Avoid cooling. Do not induce vomiting. In case of spontaneous vomiting, avoid inhalation of vomitus. If burns occur, cool the burn with cold water and cover with a clean cloth.

#### If inhaled

If inhaled, leave the area, rinse the mouth with water, inhale fresh air. If breathing is difficult, give first aid and seek medical advice.

#### If on skin

Wipe the product, wash thoroughly with lukewarm water, soap and treat with regenerating cream. If clothing is contaminated, remove clothing. Seek medical attention if irritation develops.

#### If in eyes

If the affected person has contact lenses, remove them. Flush eyes wide open from the inner corner of the eye towards the outside with plenty of clean lukewarm water, especially the area under the eyelids. Rinse for at least 15 minutes, seek medical attention.

#### If swallowed

In the case of an aerosol product, ingestion is very unlikely. Do not induce vomiting, rinse mouth with water. Seek medical attention immediately and present this safety data sheet. Danger of vomiting!

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

#### If inhaled

Inhalation of the aerosol can cause headaches, fatigue, drowsiness, malaise, even narcotic states, exceptionally unconsciousness.

#### If on skin

The mixture shows skin sensitization, can cause an allergic reaction (rash, dermatitis, eczematous manifestations). Frequent or long-term contact with the skin causes drying or cracking of the skin or even dermatitis.

#### If in eyes

Direct contact with the eyes causes serious eye irritation (watering, burning, itching, redness and conjunctivitis).

#### If swallowed

not available

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

Immediate medical attention is not required during normal use of the mixture. Required only if symptoms reach a certain level, as indicated in paragraphs 4.1 and 4.2; is symptomatic.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Multipurpose powders, CO<sub>2</sub>, foam, water mist, sand.

#### Unsuitable extinguishing media

Full stream of water. Crushed water can be used to cool the containers near the fire.

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

Extremely flammable mixture. Incomplete combustion or thermal decomposition can produce toxic gases (CO<sub>x</sub>, hydrocarbons, thick smoke, etc.). Do not inhale decomposition products. Vapors are heavier than air, accumulate in lower positions, can spread over long distances. When mixed with air, they can form an explosive mixture. Danger of re-ignition. There is a risk of the pressure vessel exploding at higher temperatures.

### 5.3. Advice for firefighters

Isolation breathing apparatus and non-flammable intervention suit. Use non-sparking tools. Cool containers exposed to fire with water spray or foam. Burning residues and post-intervention water should be disposed of as hazardous waste.

## SECTION 6: Accidental release measures

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

Prevent unauthorized entry, ensure free escape. Ensure adequate ventilation, do not breathe aerosol. Eliminate possible sources of ignition, do not smoke, do not handle open flame, do not expose to direct sunlight. Use non-sparking tools, avoid electrostatic charge. Avoid contact with skin and eyes - use personal protective equipment.

### 6.2. Environmental precautions

Provide a spill area, prevent leakage into drains, soil, surface and ground water. In case of a large liquid leak, monitor the NPK concentrations resp. TLV and inform the relevant public authorities and the flow or sewerage manager.

### 6.3. Methods and material for containment and cleaning up

Stop the leak. In case of large leakage of liquid fraction, drain the mixture. The aerosol evaporates, ensure adequate ventilation. In case of a minor leakage of the liquid fraction, cover with a non-flammable sorbent (sand, diatomaceous earth, soil, universal sorbent, etc.), store the used sorbent in a closable waste container, mark it and dispose of it as hazardous waste. Wash contaminated area with water.

### 6.4. Reference to other sections

See the Section 7, 8 and 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Ensure adequate ventilation of the work area. Avoid contact with open flames and other sources of ignition. Protect against direct sunlight. Use non-sparking tools. Take precautionary measures against static discharge. Avoid the formation of gases and vapors in flammable or explosive concentrations and concentrations exceeding the maximum permissible concentrations (NPK-P) for the working atmosphere. Protect eyes and skin, do not breathe aerosol or fumes, use personal protective equipment according to section 8. Observe valid legal regulations on safety and health protection. Follow the principles of hygiene when working with chemicals, do not eat, drink or smoke while working. Wash hands with warm soap and water before breaks, meals and after work.

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

Store in original containers at temperatures up to 50 ° C in dry, well-ventilated areas. Store away from heat, protect from direct sunlight and external weather conditions. Store away from food, drink and animal feeding stuffs. Store separately as flammable. No smoking. Observe the general regulations for storage of pressure vessels. Follow the instructions on the label.

| Content             | Packaging type | Material of package |
|---------------------|----------------|---------------------|
| 400 ml              | aerosol can    | FE                  |
| Storage class       | 2B - Aerosols  |                     |
| Storage temperature | max. 50 °C     |                     |

#### 7.3. Specific end use(s)

It is not.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Ensure compliance with governmental regulation 361/2007 Coll., Laying down the conditions for the protection of health at work, as amended, and to fulfill the obligations contained therein.

#### Czech Republic

#### Government Regulation 330/2023 Coll.

| Substance name (component)                                                        | Type  | Value                  | Note                                                               |
|-----------------------------------------------------------------------------------|-------|------------------------|--------------------------------------------------------------------|
| propan-2-ol (CAS: 67-63-0)                                                        | PEL   | 500 mg/m <sup>3</sup>  | irritating to mucous membranes (eyes, respiratory system) and skin |
|                                                                                   | PEL   | 200 ppm                |                                                                    |
|                                                                                   | NPK-P | 1000 mg/m <sup>3</sup> |                                                                    |
|                                                                                   | NPK-P | 400 ppm                |                                                                    |
| N-phenyl-benzenamine-reaction products C 2,4,4-trimethylpentene (CAS: 68411-46-1) | PEL   | 5 mg/m <sup>3</sup>    |                                                                    |
|                                                                                   | NPK-P | 10 mg/m <sup>3</sup>   |                                                                    |

#### DNEL

| propan-2-ol         |                   |                       |                          |                     |        |
|---------------------|-------------------|-----------------------|--------------------------|---------------------|--------|
| Workers / consumers | Route of exposure | Value                 | Effect                   | Value determination | Source |
| Workers             | Dermal            | 888 mg/kg             | Chronic effects systemic |                     |        |
| Workers             | Inhalation        | 500 mg/m <sup>3</sup> | Chronic effects systemic |                     |        |

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### PNEC

| propan-2-ol                  |            |                     |        |
|------------------------------|------------|---------------------|--------|
| Route of exposure            | Value      | Value determination | Source |
| Water (intermittent release) | 140.9 mg/l |                     |        |
| Marine water                 | 140.9 mg/l |                     |        |
| Freshwater sediment          | 552 mg/kg  |                     |        |
| Sea sediments                | 552 mg/kg  |                     |        |
| Soil (agricultural)          | 28 mg/kg   |                     |        |

### 8.2. Exposure controls

Ensure sufficient ventilation or extraction of the work area. In case of exceeding the NPK-P, use suitable respiratory protection. Avoid contact with skin and eyes, do not inhale aerosols, gases and vapors. Observe hygienic measures when working with chemicals. Do not eat, drink and smoke during work. Wash hands with lukewarm soap and water before breaks, meals and after work. Adapt personal protective equipment to the nature of the work.

#### Eye/face protection

Closed safety glasses.

#### Skin protection

Work clothes. Take off contaminated clothing and wash before reuse. In case of long-term or repeated exposure, use protective gloves (material eg nitrile, 0.4 mm; viton, 0.7 mm, penetration time > 480 min.), Or other according to the performed test. When choosing, follow the manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Replace damaged gloves.

#### Respiratory protection

It is not necessary under normal conditions. In case of increased risk of inhalation and insufficient ventilation use a mask with a filter against organic vapors and aerosols, type A. In the event of an accident or for long-term exposure, use a self-contained breathing apparatus.

#### Thermal hazard

Exposure to elevated temperatures may result in tearing of the aerosol container when overheating.

#### Environmental exposure controls

It is not necessary if handling conditions are observed. Observe normal environmental precautions, do not allow to enter drains, soil or water sources.

#### More information

Ensure compliance with governmental regulation 361/2007 Coll., Laying down the conditions for the protection of health at work, as amended, and to fulfill the obligations contained therein.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                          |                                        |
|----------------------------------------------------------|----------------------------------------|
| Physical state                                           | liquid                                 |
| Colour                                                   | According to individual specifications |
| Odour                                                    | characteristic                         |
| Melting point/freezing point                             | data not available                     |
| Boiling point or initial boiling point and boiling range | 82 °C (Propane-2-ol)                   |
| Flammability                                             | Flammable Class I.                     |
| Lower and upper explosion limit                          |                                        |
| bottom                                                   | 1.1 %                                  |
| upper                                                    | 13 %                                   |
| Flash point                                              | data not available                     |
| Auto-ignition temperature                                | >350 °C                                |
| Decomposition temperature                                | data not available                     |
| pH                                                       | data not available                     |
| Kinematic viscosity                                      | data not available                     |
| Solubility in water                                      | data not available                     |
| Partition coefficient n-octanol/water (log value)        | data not available                     |

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|                                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Vapour pressure                 | data not available                              |
| Density and/or relative density |                                                 |
| Density                         | 0.7 g/cm <sup>3</sup> at 20 °C (propellant gas) |
| Relative vapour density         | data not available                              |
| Particle characteristics        | data not available                              |

### 9.2. Other information

VOC content: 0,6 kg/kg  
 Density and/or relative density (at 20°C): 0.9 g/cm<sup>3</sup> (liquid fraction)  
 Solvent vapors can form an explosive mixture when mixed with air.  
 Oxidizing properties: The mixture is not classified as oxidizing.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The mixture is flammable. In normal conditions, the mixture does not show dangerous reactions.

### 10.2. Chemical stability

The mixture is stable under normal environmental conditions, storage and handling.

### 10.3. Possibility of hazardous reactions

There is a risk of the pressure vessel exploding when exposed to high temperatures. Danger of exothermic reaction in contact with acids and oxidizing agents.

### 10.4. Conditions to avoid

At temperatures above 50 °C, contact with open flames, possible sources of ignition and hot surfaces, sparks, static electricity. Avoid exposure to direct sunlight. Avoid the formation of a concentration within explosive limits.

### 10.5. Incompatible materials

Flammable materials, strong oxidizing agents, strong acids.

### 10.6. Hazardous decomposition products

Under normal conditions, the mixture does not decompose. Imperfect combustion or thermal decomposition produces toxic combustion products: COx, heavy smoke, hydrocarbons, etc.

## SECTION 11: Toxicological information

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

The mixture meets the criteria for classification according to EC Regulation No. 1272/2008. The mixture is classified as dangerous in the sense of EC Regulation No. 1272/2008, as amended.

#### Acute toxicity

Based on available data the classification criteria are not met.

| N-phenyl-benzenamine-reaction products C 2,4,4-trimethylpentene |                  |                        |               |                         |     |
|-----------------------------------------------------------------|------------------|------------------------|---------------|-------------------------|-----|
| Route of exposure                                               | Parameter        | Value                  | Exposure time | Species                 | Sex |
| Oral                                                            | LD <sub>50</sub> | >5000 mg/kg            |               | Rat (Rattus norvegicus) |     |
| Dermal                                                          | LD <sub>50</sub> | >5000 mg/kg            |               | Rabbit                  |     |
| Inhalation                                                      | LC <sub>50</sub> | 4951 mg/m <sup>3</sup> | 4 hours       | Rat (Rattus norvegicus) |     |

| propan-2-ol       |                  |             |               |         |     |
|-------------------|------------------|-------------|---------------|---------|-----|
| Route of exposure | Parameter        | Value       | Exposure time | Species | Sex |
| Oral              | LD <sub>50</sub> | >2000 mg/kg |               | Rat     |     |
| Dermal            | LD <sub>50</sub> | >2000 mg/kg |               | Rabbit  |     |

#### Skin corrosion/irritation

Based on available data the classification criteria are not met.

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**Serious eye damage/irritation**

Based on available data the classification criteria are not met.

**Respiratory or skin sensitisation**

Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data the classification criteria are not met.

**Carcinogenicity**

Based on available data the classification criteria are not met.

**Reproductive toxicity**

Based on available data the classification criteria are not met.

**Toxicity for specific target organ - single exposure**

Based on available data the classification criteria are not met.

**Toxicity for specific target organ - repeated exposure**

Based on available data the classification criteria are not met.

**Aspiration hazard**

The mixture is classified as toxic by inhalation, category 1. It can cause death if swallowed and enters the respiratory tract. Irrelevant due to aerosol packaging.

**11.2. Information on other hazards**

It does not contain substances causing disruption of the endocrine system. Frequent or long-term contact with the skin causes drying of the skin and even dermatitis. Direct eye contact may cause mild eye irritation (burning, redness). Inhalation of the aerosol can cause headaches, fatigue, drowsiness.

**SECTION 12: Ecological information**

**12.1. Toxicity**

The ecotoxic effects of the mixture itself were not assessed. Prevent the liquid from leaking into sewers and underground or surface water.

**Acute toxicity**

| N-phenyl-benzenamine-reaction products C 2,4,4-trimethylpentene |             |               |                                   |             |
|-----------------------------------------------------------------|-------------|---------------|-----------------------------------|-------------|
| Parameter                                                       | Value       | Exposure time | Species                           | Environment |
| LC <sub>50</sub>                                                | >100 mg/l   | 96 hours      | Fish (Leuciscus idus)             |             |
| LC <sub>50</sub>                                                | >10000 mg/l | 48 hours      | Invertebrates (Daphnia sp.)       |             |
| EC <sub>50</sub>                                                | >100 mg/l   | 72 hours      | Algae (Selenastrum capricornutum) |             |

| propan-2-ol      |            |               |                                   |             |
|------------------|------------|---------------|-----------------------------------|-------------|
| Parameter        | Value      | Exposure time | Species                           | Environment |
| LC <sub>50</sub> | >100 mg/l  | 96 hours      | Fish (Leuciscus idus)             |             |
| LC <sub>50</sub> | >100 mg/l  | 48 hours      | Invertebrates (Daphnia magna)     |             |
| EC <sub>50</sub> | >100 mg/kg | 72 hours      | Algae (Selenastrum capricornutum) |             |



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### 12.2. Persistence and degradability

Data not available.

### 12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

### 12.4. Mobility in soil

The mixture is well soluble in water.

### 12.5. Results of PBT and vPvB assessment

The mixture does not contain substances from the PBT and vPvB groups according to Annex XIII of the REACH Regulation, as amended.

### 12.6. Endocrine disrupting properties

Substances with these properties in accordance with the criteria set out in Commission Regulation (EU) 2017/2100 or (EU) 2018/605 are not included.

### 12.7. Other adverse effects

Avoid release to soil, ground or surface water or sewers. Leakage of larger quantities can change the pH of the water environment. Observe the usual environmental protection measures.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of as hazardous waste. Dispose of at an authorized person or to a hazardous waste collection yard. Dispose of mixture and packaging residues in accordance with local waste disposal regulations. Dispose of contaminated packaging as hazardous waste.

#### Waste management legislation

Act No. 477/2001 Coll., On Packaging, as amended. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended.

#### Waste type code

14 06 03\* other solvents and solvent mixtures

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

#### Packaging waste type code

15 01 11\* metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers

15 01 10\* packaging containing residues of or contaminated by hazardous substances

(\* ) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

## SECTION 14: Transport information

### 14.1. UN number or ID number

UN 1950

### 14.2. UN proper shipping name

AEROSOLS

### 14.3. Transport hazard class(es)

2 Gases

### 14.4. Packing group

not relevant

### 14.5. Environmental hazards

No.

### 14.6. Special precautions for user

Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

### 14.7. Maritime transport in bulk according to IMO instruments

Can not be used.

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### Additional information

Hazard identification No.  
UN number  
Classification code  
Safety signs



5F  
2.1



### Road transport - ADR

Special provisions 190, 327, 344, 625  
Limited quantities 1 L  
Excepted quantities E0

#### Packaging

Packing instructions P207, LP200  
Special packing provisions PP87, RR6, L2  
Mixed packing provisions MP9  
Transport category 2  
Tunnel restriction code (D)

#### Special provision for packages

V14  
loading, unloading and handling operation CV9, CV12  
S2

### Railway transport - RID

Special provisions 190, 327, 344, 625  
Excepted quantities E0

#### Packaging

Packing instructions P207, LP200  
Special packing provisions PP87, RR6, L2  
Mixed packing provisions MP9  
Transport category 0

#### Special provision for packages

W14  
loading, unloading and handling CW9, CW12

### Air transport - ICAO/IATA

Packaging instructions for limited amount Y203  
Packaging instructions passenger 203  
Cargo packaging instructions 203

### Marine transport - IMDG

EmS (emergency plan) F-D, S-U  
MFAG 620

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). Commission Delegated Regulation (EU) 2021/849 of 11 March 2021 amending, for the purposes of adapting to technical and scientific progress, Part 3 of Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals.

#### 15.2. Chemical safety assessment

No chemical hazard assessment was performed for this mixture.

##### More information

This information only indicates the basic regulations listed in this Safety Data Sheet. Please note the possible existence of additional regulations supplementing these Regulations. We refer to all applicable national, international and local regulations and regulations.

### SECTION 16: Other information

#### A list of standard risk phrases used in the safety data sheet

|      |                                                     |
|------|-----------------------------------------------------|
| H220 | Extremely flammable gas.                            |
| H222 | Extremely flammable aerosol.                        |
| H225 | Highly flammable liquid and vapour.                 |
| H229 | Pressurised container: May burst if heated.         |
| H280 | Contains gas under pressure; may explode if heated. |
| 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.  |

#### Guidelines for safe handling used in the safety data sheet

|           |                                                                                                |
|-----------|------------------------------------------------------------------------------------------------|
| 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 vapours/spray.                                                                 |
| P271      | Use only outdoors or in a well-ventilated area.                                                |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C.                          |

#### A list of additional standard phrases used in the safety data sheet

|        |                                                       |
|--------|-------------------------------------------------------|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
|--------|-------------------------------------------------------|

#### Other important information about human health protection

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the supplier can not control the specific conditions of use of the mixture, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

#### Key to abbreviations and acronyms used in the safety data sheet

|     |                                                                                                   |
|-----|---------------------------------------------------------------------------------------------------|
| ADR | European agreement concerning the international carriage of dangerous goods by road               |
| BCF | Bioconcentration Factor                                                                           |
| CAS | Chemical Abstracts Service                                                                        |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |

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|                        |                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------|
| EC                     | Identification code for each substance listed in EINECS                                           |
| EC <sub>50</sub>       | Concentration of a substance when it is affected 50% of the population                            |
| EINECS                 | European Inventory of Existing Commercial Chemical Substances                                     |
| EmS                    | Emergency plan                                                                                    |
| EU                     | European Union                                                                                    |
| EuPCS                  | European Product Categorisation System                                                            |
| IATA                   | International Air Transport Association                                                           |
| IBC                    | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals       |
| ICAO                   | International Civil Aviation Organization                                                         |
| IMDG                   | International Maritime Dangerous Goods                                                            |
| IMO                    | International Maritime Organization                                                               |
| INCI                   | International Nomenclature of Cosmetic Ingredients                                                |
| ISO                    | International Organization for Standardization                                                    |
| IUPAC                  | International Union of Pure and Applied Chemistry                                                 |
| LC <sub>50</sub>       | Lethal concentration of a substance in which it can be expected death of 50% of the population    |
| LD <sub>50</sub>       | Lethal dose of a substance in which it can be expected death of 50% of the population             |
| log Kow                | Octanol-water partition coefficient                                                               |
| NPK                    | Maximum admissible concentration                                                                  |
| OEL                    | Occupational Exposure Limits                                                                      |
| PBT                    | Persistent, Bioaccumulative and Toxic                                                             |
| PEL                    | Permissible Exposure Limit                                                                        |
| ppm                    | Parts per million                                                                                 |
| Press. Gas (Comp.)     | Gas under pressure: compressed gas                                                                |
| Press. Gas (Diss.)     | Gas under pressure: dissolved gas                                                                 |
| Press. Gas (Liq.)      | Gas under pressure: liquefied gas                                                                 |
| Press. Gas (Ref. Liq.) | Gas under pressure: refrigerated liquefied gas                                                    |
| REACH                  | Registration, Evaluation, Authorisation and Restriction of Chemicals                              |
| RID                    | Agreement on the transport of dangerous goods by rail                                             |
| UN                     | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB                   | Substances of unknown or variable composition, complex reaction products or biological materials  |
| VOC                    | Volatile organic compounds                                                                        |
| vPvB                   | Very Persistent and very Bioaccumulative                                                          |

|                 |                                                  |
|-----------------|--------------------------------------------------|
| Aerosol         | Aerosol                                          |
| Aquatic Chronic | Hazardous to the aquatic environment (chronic)   |
| Asp. Tox.       | Aspiration hazard                                |
| Eye Irrit.      | Eye irritation                                   |
| Flam. Gas       | Flammable gas                                    |
| Flam. Liq.      | Flammable liquid                                 |
| Press. Gas      | Gases under pressure                             |
| STOT SE         | Specific target organ toxicity - single exposure |

### Training guidelines

According to § 103 and § 104 of Act No. 262/2006 Coll., The Labor Code, as amended. Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use



## SAFETY DATA SHEET

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The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the specific conditions of use of the substance are beyond the control of the supplier, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

#### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

#### The changes (which information has been added, deleted or modified)

Adaptation of BL updated Annex II of the REACH Regulation as amended by Commission Regulation (EU) 2020/878.

#### Statement

The safety data sheet contains the data needed to ensure safety and health at work and environmental protection. These data correspond to the current state of knowledge and experience and are in accordance with applicable legal regulations. They can not be considered as a guarantee of the suitability and usability of the product for a specific application. The user is responsible for the treatment under existing laws and regulations.

