

## Safety Data Sheet dated 8/7/2021, version 3

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

1.1. Product identifier

Mixture identification:

Trade name: Fresca Foglia Travel Cuba

Trade code: 1477

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

Recommended use: Car air freshener

Uses advised against:

Strictly adhere to the recommended uses.

1.3. Details of the supplier of the safety data sheet

Supplier:

Arexons S.p.A.

via Antica di Cassano, 23, 20063 Cernusco sul Naviglio (MI), Italy

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Competent person responsible for the safety data sheet:

arexons@arexons.it

1.4. Emergency telephone number

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306 In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

In Ireland: Beaumont Hospital - National Poisons Information Centre 01 809 2166 (7days, 8:00 -

22:00)

In South Africa: Poison Information Helpline 0861 555 777

In Malta: emergency number 112

#### **SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

- Warning, Skin Irrit. 2, Causes skin irritation.
- Warning, Eye Irrit. 2, Causes serious eye irritation.
- Warning, Skin Sens. 1, May cause an allergic skin reaction.
- Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

1477/3

Page n. 1 of 13



#### Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P273 Avoid release to the environment.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with applicable regulations.

### **Special Provisions:**

EUH208 Contains citral. May produce an allergic reaction.

EUH208 Contains 2,4-dimethylcyclohex-3-ene-1-carbaldehyde. May produce an allergic reaction.

EUH208 Contains Menthone. May produce an allergic reaction.

EUH208 Contains (R)-p-mentha-1,8-diene; d-limonene. May produce an allergic reaction.

EUH208 Contains Beta Pinene. May produce an allergic reaction.

EUH208 Contains Alpha-pinene. May produce an allergic reaction.

EUH208 Contains Linalool. May produce an allergic reaction.

EUH208 Contains Cineole. May produce an allergic reaction.

#### Contains

CARVONE LAEVO (I-carvone)

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

## Other Hazards:

No other hazards

## **SECTION 3: Composition/information on ingredients**

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

>= 5% - < 7% TERPINEOL

REACH No.: 01-2119553062-49, CAS: 8000-41-7, EC: 232-268-1

◆ 3.2/2 Skin Irrit. 2 H315

1 3.3/2 Eye Irrit. 2 H319

#### >= 5% - < 7% CARVONE LAEVO (I-carvone)

REACH No.: 01-2119962458-25, CAS: 6485-40-1, EC: 229-352-5

◆ 3.4.2/1 Skin Sens. 1 H317

### >= 3% - < 5% 1,7,7-TRIMETIL-1,2,2- BICICLO-2-EPTENONE (Camfor)

REACH No.: 01-2119966156-31, CAS: 76-22-2, EC: 244-350-4

- 2.7/2 Flam. Sol. 2 H228
- ◆ 3.1/4/Oral Acute Tox. 4 H302
- ◆ 3.1/4/Inhal Acute Tox. 4 H332
- ♦ 3.8/2 STOT SE 2 H371

### >= 3% - < 5% citral

1477/3



- ◆ 3.4.2/1B Skin Sens. 1B H317
- ◆ 3.3/2 Eye Irrit. 2 H319

#### >= 1% - < 2% ethyl acetate

REACH No.: 01-2119475103-46, Index number: 607-022-00-5, CAS: 141-78-6, EC: 205-500-4

- 2.6/2 Flam. Liq. 2 H225
- ◆ 3.3/2 Eye Irrit. 2 H319
- ◆ 3.8/3 STOT SE 3 H336

**EUH066** 

### >= 1% - < 2% 2,4-dimethylcyclohex-3-ene-1-carbaldehyde

REACH No.: 01-2119982384-28, CAS: 68039-49-6, EC: 268-264-1

- 1 3.2/2 Skin Irrit. 2 H315
- ◆ 3.4.2/1 Skin Sens. 1 H317
- 4.1/C2 Aquatic Chronic 2 H411

### >= 1% - < 2% Menthone

CAS: 89-80-5, EC: 201-941-1

- ◆ 3.2/2 Skin Irrit. 2 H315
- ◆ 3.4.2/1 Skin Sens. 1 H317

### >= 1% - < 2% (R)-p-mentha-1,8-diene; d-limonene

REACH No.: 01-2119529223-47, Index number: 601-029-00-7, CAS: 5989-27-5, EC: 227-813-5

- 2.6/3 Flam. Liq. 3 H226
- 4.1/C1 Aquatic Chronic 1 H410
- 3.2/2 Skin Irrit. 2 H315
- 3.4.2/1 Skin Sens. 1 H317

## >= 0.5% - < 1% Alpha-pinene

REACH No.: 01-2119519223-49, CAS: 80-56-8, EC: 201-291-9

- **2.6/3 Flam. Lig. 3 H226**
- ◆ 3.4.2/1 Skin Sens. 1 H317
- ◆ 3.1/4/Oral Acute Tox. 4 H302
- 4 3.2/2 Skin Irrit. 2 H315
- ♦ 4.1/A1 Aquatic Acute 1 H400
- ♦ 3.10/1 Asp. Tox. 1 H304
- 4.1/C1 Aquatic Chronic 1 H410

### >= 0.5% - < 1% Beta Pinene

REACH No.: 01-2119519230-54, CAS: 127-91-3, EC: 204-872-5

- ❖ 3.10/1 Asp. Tox. 1 H304
- 1 3.4.2/1 Skin Sens. 1 H317
- 2.6/3 Flam. Liq. 3 H226
- 4.1/A1 Aquatic Acute 1 H400
- 4 3.2/2 Skin Irrit. 2 H315
- 4.1/C1 Aquatic Chronic 1 H410

#### >= 0.1% - < 0.25% Linalool

REACH No.: 01-2119474016-42, CAS: 78-70-6, EC: 201-134-4

- 4 3.2/2 Skin Irrit. 2 H315
- 3.4.2/1B Skin Sens. 1B H317
- 4 3.3/2 Eye Irrit. 2 H319

## >= 0.1% - < 0.25% BHT [Butyl hydroxy toluene]

REACH No.: 01-2119565113-46, CAS: 128-37-0, EC: 204-881-4

4.1/C1 Aquatic Chronic 1 H410



>= 0.1% - < 0.25% Cineole

REACH No.: 01-2119967772-24, CAS: 470-82-6, EC: 207-431-5

◆ 2.6/3 Flam. Liq. 3 H226

12 3.4.2/1B Skin Sens. 1B H317

### 1 ppb p-cresol

REACH No.: 01-2119448336-36, Index number: 604-004-00-9, CAS: 106-44-5, EC: 203-398-6

♦ 3.1/3/Dermal Acute Tox. 3 H311 4.1/C3 Aquatic Chronic 3 H412

♦ 3.1/3/Oral Acute Tox. 3 H301
 ♦ 3.2/1B Skin Corr. 1B H314

## **SECTION 4: First aid measures**

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

In case of inhalation: move the patient to a well-ventilated area and keep at rest.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

### **SECTION 5: Firefighting measures**

5.1. Extinguishing media

Appropriate Extinguishing Media:

To carbon dioxide.

To water.

Not Recommended Extinguishing Media:

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.



#### **SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

## **SECTION 7: Handling and storage**

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Do not store this material near food and drinks.

Keep away from food, drink and feed.

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

### **SECTION 8: Exposure controls/personal protection**

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8.1. Control parameters
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1,7,7-TRIMETIL-1,2,2- BICICLO-2-EPTENONE (Camfor) - CAS: 76-22-2
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ACGIH - TWA(8h): 2 ppm - STEL: 3 ppm - Notes: A4 - Eye and URT irr, anosmia

citral - CAS: 5392-40-5

ACGIH - TWA(8h): 5 ppm - Notes: (IFV), Skin, DSEN, A4 - Body weight eff, URT irr, eye dam

ethyl acetate - CAS: 141-78-6

ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr

EU - TWA(8h): 734 mg/m3, 200 ppm - STEL: 1468 mg/m3, 400 ppm

Alpha-pinene - CAS: 80-56-8

ACGIH - TWA(8h): 20 ppm - Notes: DSEN, A4 - Lung irr

Beta Pinene - CAS: 127-91-3

ACGIH - TWA(8h): 20 ppm - Notes: DSEN, A4 - Lung irr

BHT [Butyl hydroxy toluene] - CAS: 128-37-0

ACGIH - TWA(8h): 2 mg/m3 - Notes: (IFV), A4 - URT irr

p-cresol - CAS: 106-44-5

EU - TWA(8h): 22 mg/m3, 5 ppm

ACGIH - TWA(8h): 20 mg/m3 - Notes: (IFV), Skin, A4 - URT irr

**DNEL Exposure Limit Values** 

N.A.

1477/3



PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Face protection shield. Compliant with EN 166

Protection for skin:

protective clothing

Protection for hands:

Compliant with EN 374.

Respiratory protection:

Not required under normal conditions of use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

## **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid		
Colour:	transparent		
Odour:	N.A.		
Melting point/freezing point:	N.A.		
Boiling point or initial boiling point and boiling range:	N.A.		
Flammability:	N.A.		
Lower and upper explosion limit:	N.A.		
Flash point:	>60°C		
Auto-ignition temperature:	N.A.		
Decomposition temperature:	N.A.		
pH:	N.A.		
Kinematic viscosity:	N.A.		
Solubility in water:	N.A.		
Solubility in oil:	N.A.		
Partition coefficient n-octanol/water (log value):	N.A.		



Vapour pressure:	N.A.			
Density and/or relative density:	0,989-1,009g/ ml @20°C			
Relative vapour density:	N.A.			
Particle characteristics:				
Particle size:	N.A.			

9.2. Other information

No other relevant information

## **SECTION 10: Stability and reactivity**

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

### **SECTION 11: Toxicological information**

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Toxicological information of the product:

Fresca Foglia Travel Cuba

a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1 H317

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met



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i) STOT-repeated exposure
             Not classified
             Based on available data, the classification criteria are not met
      i) aspiration hazard
             Not classified
             Based on available data, the classification criteria are not met
Toxicological information of the main substances found in the product:
      1,7,7-TRIMETIL-1,2,2- BICICLO-2-EPTENONE (Camfor) - CAS: 76-22-2
      a) acute toxicity:
             Test: LD50 - Route: Oral - Species: Mouse = 1310 mg/kg
             Test: LC50 - Route: Skin - Species: Rat > 70 mg/kg
      citral - CAS: 5392-40-5
      a) acute toxicity:
             Test: LD50 - Route: Oral - Species: Rat = 4.950 mg/kg
             Test: LC50 - Route: Skin - Species: Rabbit 2.250 mg/kg
      (R)-p-mentha-1,8-diene; d-limonene - CAS: 5989-27-5
      a) acute toxicity:
             Test: LD50 - Route: Oral - Species: Rat 4400 mg/kg
             Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
             Test: LD50 - Route: Oral - Species: Mouse 5600 mg/kg
      Alpha-pinene - CAS: 80-56-8
      a) acute toxicity:
             Test: LD50 - Route: Oral - Species: Rat 2100 mg/kg
             Test: LD50 - Route: Skin - Species: Rabbit 5005 mg/kg
      Beta Pinene - CAS: 127-91-3
      a) acute toxicity:
             Test: LD50 - Route: Oral - Species: Rat = 4700 mg/kg
      Linalool - CAS: 78-70-6
      a) acute toxicity:
             Test: LD50 - Route: Oral - Species: Rat 2.790 mg/kg
             Test: LD50 - Route: Oral - Species: Mouse 2.200 mg/kg
             Test: LC50 - Route: Inhalation - Species: Mouse Positive - Duration: 1.5h
             Test: LD50 - Route: Skin - Species: Rabbit 5.610 mg/kg
      b) skin corrosion/irritation:
             Test: Skin Irritant - Route: Skin - Species: Rabbit Positive - Duration: 7h
      c) serious eye damage/irritation:
             Test: Eye Irritant - Route: Skin - Species: Rabbit Positive - Duration: 72h
      d) respiratory or skin sensitisation:
             Test: Skin Sensitization - Route: Skin - Species: CAVIA Negative
             Test: Inhalation Sesitization - Route: Inhalation - Species: CAVIA Negative
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11.2. Information on other hazards

e) germ cell mutagenicity:

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

Test: Genotoxicity - Species: Mouse Negative

### **SECTION 12: Ecological information**

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. 1,7,7-TRIMETIL-1,2,2- BICICLO-2-EPTENONE (Camfor) - CAS: 76-22-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 110 mg/l - Duration h: 96 Endpoint: LC50 - Species: Daphnia > 9.303 mg/l - Duration h: 48 citral - CAS: 5392-40-5

Test: Mutagenesis - Species: Salmonella Typhimurium Negative

1477/3



a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae 16 mg/l - Duration h: 72 Endpoint: EC50 - Species: Algae 19 mg/l - Duration h: 96 Endpoint: LC50 - Species: Fish 4.6-10 mg/l - Duration h: 96 Endpoint: EC50 - Species: Daphnia 7 mg/l - Duration h: 48

(R)-p-mentha-1,8-diene; d-limonene - CAS: 5989-27-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 0.72 mg/l - Duration h: 96 Endpoint: EC50 - Species: Fish 0.688 mg/l - Duration h: 96

Alpha-pinene - CAS: 80-56-8 a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 0.28 mg/l - Duration h: 96

BHT [Butyl hydroxy toluene] - CAS: 128-37-0

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 0.31 mg/l - Duration h: 48 Endpoint: LC50 - Species: Fish 0.57 mg/l - Duration h: 96

12.2. Persistence and degradability

None N.A.

12.3. Bioaccumulative potential

NA

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

None

## **SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force. Additional disposal information:

Reuse if possible. Act in accordance with the local and national laws in force.

## **SECTION 14: Transport information**





14.1. UN number or ID number

ADR-UN Number: 3082 IATA-UN Number: 3082 IMDG-UN Number: 3082

14.2. UN proper shipping name

ADR-Shipping Name:

IATA-Shipping Name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(d-limonene, 2,4-dimethylcyclohex-3-ene-1-carbaldehyde) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(d-limonene, 2,4-dimethylcyclohex-3-ene-1-carbaldehyde)

IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(d-limonene, 2,4-dimethylcyclohex-3-ene-1-carbaldehyde)

14.3. Transport hazard class(es)



ADR-Class: ADR - Hazard identification number: 90

IATA-Class: IATA-Label: 9 IMDG-Class: 9

14.4. Packing group

ADR-Packing Group: Ш IATA-Packing group: Ш IMDG-Packing group: Ш

14.5. Environmental hazards

ADR-Enviromental Pollutant: Yes

IMDG-Marine pollutant: Marine Pollutant

IMDG-EmS: F-A, S-F

14.6. Special precautions for user

ADR-Subsidiary hazards:

ADR-S.P.: 274 335 375 601

ADR-Transport category (Tunnel restriction code): 3 (-)

IATA-Passenger Aircraft: 964 IATA-Subsidiary hazards: IATA-Cargo Aircraft: 964

IATA-S.P.: A97 A158 A197

IATA-ERG: 9L IMDG-Subsidiary hazards:

IMDG-Stowage and handling: Category A

IMDG-Segregation:

14.7. Maritime transport in bulk according to IMO instruments

Limited Quantity: 5 L Exempted Quantity: E1

### **SECTION 15: Regulatory information**

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2020/878

Regulation (EU) n. 286/2011 (ATP 2 CLP) Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP) Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP) Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40



Restrictions related to the substances contained: No restriction.

Volatile Organic compounds - VOCs = 3.27 %

Volatile Organic compounds - VOCs = 32.70 g/Kg

Volatile Organic compounds - VOCs = 32.67 g/l

Where applicable, refer to the following regulatory provisions:

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

Product belongs to category: E2

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture. Substances for which a Chemical Safety Assessment has been carried out:

None

#### **SECTION 16: Other information**

Text of phrases referred to under heading 3:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H228 Flammable solid.

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H371 May cause damage to organs.

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

H411 Toxic to aquatic life with long lasting effects.

H226 Flammable liquid and vapour.

H410 Very toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H412 Harmful to aquatic life with long lasting effects.

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Flam. Sol. 2	2.7/2	Flammable solid, Category 2
Acute Tox. 3	3.1/3/Dermal	Acute toxicity (dermal), Category 3
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4



Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
STOT SE 2	3.8/2	Specific target organ toxicity - single exposure, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

This safety data sheet has been completely updated in compliance to Regulation 2020/878. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.



ADR: European Agreement concerning the International Carriage of

Dangerous Goods by Road.

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of

Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport

Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization"

(ICAO).

IMDG: International Maritime Code for Dangerous Goods. INCI: International Nomenclature of Cosmetic Ingredients.

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

NA: Not applicable

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods

by Rail.

STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWA: Time-weighted average
WGK: German Water Hazard Class.