



**Safety Data Sheet dated 8/12/2021, version 11**

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

1.1. Product identifier

Mixture identification:

Trade name: INTENSITY NATURE

Trade code: 1861

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

Recommended use:

Car air freshener

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

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**SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

- ⚠ Warning, Flam. Sol. 2, Flammable solid.
- ⚠ Warning, Skin Irrit. 2, Causes skin irritation.
- ⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
- ⚠ Warning, Skin Sens. 1B, 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:

H228 Flammable solid.

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.

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#### 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.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P273 Avoid release to the environment.
- P302+P352 IF ON SKIN: Wash with plenty of 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.
- P370+P378 In case of fire, use a foam fire extinguisher to extinguish.
- P501 Dispose of contents/container in accordance with applicable regulations.

#### Special Provisions:

- PACK2 The packing must have tactile indications of danger for blind people.
- EUH208 Contains Linalyl acetate. May produce an allergic reaction.
- EUH208 Contains Cineole. May produce an allergic reaction.
- EUH208 Contains Menthone. May produce an allergic reaction.
- EUH208 Contains STANNANE, DIBUTYLBIS[81-OXODODECYL). May produce an allergic reaction.

#### Contains

linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool

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

None

#### 2.3. Other hazards

- PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$ :
  - $\geq 0.25\% - < 0.5\%$  octamethylcyclotetrasiloxane; [D4] - Index number: 014-018-00-1, CAS: 556-67-2, EC: 209-136-7:
  - PBT, vPvB

#### Other Hazards:

No other hazards

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## 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:

- $\geq 7\% - < 10\%$  linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool  
REACH No.: 01-2119474016-42, Index number: 603-235-00-2, CAS: 78-70-6, EC: 201-134-4
  - ⚠ 3.2/2 Skin Irrit. 2 H315
  - ⚠ 3.4.2/1B Skin Sens. 1B H317
  - ⚠ 3.3/2 Eye Irrit. 2 H319
- $\geq 7\% - < 10\%$  Linalyl acetate  
REACH No.: 01-2119454789-19, CAS: 115-95-7, EC: 204-116-4
  - ⚠ 3.2/2 Skin Irrit. 2 H315
  - ⚠ 3.4.2/1 Skin Sens. 1 H317
  - ⚠ 3.3/2 Eye Irrit. 2 H319
- $\geq 3\% - < 5\%$  2-(1-METHYLPROPYL) CICLOHEXANONE  
REACH No.: 01-2120756700-57, CAS: 14765-30-1, EC: 238-830-2
  - ⚠ 3.2/2 Skin Irrit. 2 H315

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- >= 2% - < 3% Cineole  
REACH No.: 01-2119967772-24, CAS: 470-82-6, EC: 207-431-5  
⚠ 2.6/3 Flam. Liq. 3 H226  
⚠ 3.4.2/1B Skin Sens. 1B H317
- >= 2% - < 3% Menthone  
CAS: 89-80-5, EC: 201-941-1  
⚠ 3.2/2 Skin Irrit. 2 H315  
⚠ 3.4.2/1B Skin Sens. 1B H317
- >= 1% - < 2% TETRAETHOXY SILANE  
CAS: 78-10-4  
⚠ 2.6/3 Flam. Liq. 3 H226  
⚠ 3.3/2 Eye Irrit. 2 H319  
⚠ 3.1/4/Inhal Acute Tox. 4 H332  
⚠ 3.8/3 STOT SE 3 H335
- >= 0.25% - < 0.5% octamethylcyclotetrasiloxane; [D4]  
Index number: 014-018-00-1, CAS: 556-67-2, EC: 209-136-7  
⚠ 3.7/2 Repr. 2 H361f  
⚠ 4.1/C1 Aquatic Chronic 1 H410 M=10.
- >= 0.1% - < 0.25% STANNANE, DIBUTYLBIS[81-OXODODECYL)  
CAS: 77-58-7  
⚠ 3.2/1C Skin Corr. 1C H314  
⚠ 3.4.2/1 Skin Sens. 1 H317  
⚠ 3.5/2 Muta. 2 H341  
⚠ 3.7/1B Repr. 1B H360  
⚠ 3.8/1 STOT SE 1 H370  
⚠ 3.9/1 STOT RE 1 H372  
⚠ 4.1/A1 Aquatic Acute 1 H400  
⚠ 4.1/C1 Aquatic Chronic 1 H410
- >= 0.02% - < 0.05% dipentene; limonene  
Index number: 601-029-00-7, CAS: 138-86-3, EC: 205-341-0  
⚠ 2.6/3 Flam. Liq. 3 H226  
⚠ 3.10/1 Asp. Tox. 1 H304  
⚠ 3.2/2 Skin Irrit. 2 H315  
⚠ 3.4.2/1B Skin Sens. 1B H317  
⚠ 4.1/A1 Aquatic Acute 1 H400  
4.1/C3 Aquatic Chronic 3 H412
- SVHC, PBT, vPvB, endocrine disruptor substances:  
>= 0.25% - < 0.5% octamethylcyclotetrasiloxane; [D4]  
Index number: 014-018-00-1, CAS: 556-67-2, EC: 209-136-7  
PBT, vPvB, SVHC  
>= 0.1% - < 0.25% STANNANE, DIBUTYLBIS[81-OXODODECYL)  
CAS: 77-58-7  
SVHC

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#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

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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 ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

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

None

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

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### SECTION 5: Firefighting measures

5.1. Extinguishing media

Appropriate Extinguishing Media:

Water spray.

To carbon dioxide.

Foam

Not Recommended Extinguishing Media:

Do not use direct water jets.

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.

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### SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

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

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### 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.

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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:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

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

Only store in the original container.

Store in well-closed containers, preferably in a cool place, away from sources of heat and direct sunlight.

Store at below 50 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

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

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

TETRAETHOXY SILANE - CAS: 78-10-4

VLEP - TWA(8h): 86 mg/m<sup>3</sup>

EU - TWA(8h): 44 mg/m<sup>3</sup>, 5 ppm

ACGIH - TWA(8h): 10 ppm - Notes: URT and eye irr, kidney dam

STANNANE, DIBUTYLBIS[81-OXODODECYL) - CAS: 77-58-7

VLEP - TWA(8h): 1 mg/m<sup>3</sup> - Notes: China

dipentene; limonene - CAS: 138-86-3

TLV TWA - 1320 mg/m<sup>3</sup>

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

### 8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Compliant with EN 166

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Nitrile or Viton gloves.

Compliant with EN 374.

Respiratory protection:

In case of insufficient ventilation, use adequate respiratory protection equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

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## SECTION 9: Physical and chemical properties

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

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Properties	Value	Method:	Notes:
Physical state:	Solid	--	--
Colour:	Green	--	--
Odour:	Characteristic	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	Flam. Sol. 2, H228	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	72°C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	> 20,5 mm <sup>2</sup> /sec (40 °C)	--	--
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:	N.A.	--	--
Relative vapour density:	0.902	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Viscosity:	286 mm <sup>2</sup> /s	--	--

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#### SECTION 10: Stability and reactivity

- 10.1. Reactivity  
Stable under normal conditions
- 10.2. Chemical stability  
Stable under normal conditions
- 10.3. Possibility of hazardous reactions  
None
- 10.4. Conditions to avoid  
Excessive heat.  
Flames and other sources of ignition.
- 10.5. Incompatible materials  
Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products  
None.

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#### SECTION 11: Toxicological information

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

Toxicological information of the product:

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- 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. 1B 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
- i) STOT-repeated exposure  
Not classified  
Based on available data, the classification criteria are not met
- j) aspiration hazard  
Not classified  
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool - CAS: 78-70-6

a) acute toxicity:

Test: LD50 - Route: Skin > 5000 mg/kg

Test: LD50 - Route: Oral = 2790 mg/kg

Test: LC50 - Route: Inhalation > 100 mg/l

Linalyl acetate - CAS: 115-95-7

a) acute toxicity:

Test: LD50 - Route: Skin > 5000 mg/kg

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- Test: LD50 - Route: Oral > 5000 mg/kg  
Test: LC50 - Route: Inhalation > 100 mg/l  
2-(1-METHYLPROPYL) CICLOHEXANONE - CAS: 14765-30-1  
a) acute toxicity:  
Test: LD50 - Route: Skin > 5000 mg/kg  
Test: LD50 - Route: Oral = 2400 mg/kg  
Test: LC50 - Route: Inhalation > 100 mg/l  
Cineole - CAS: 470-82-6  
a) acute toxicity:  
Test: LD50 - Route: Skin > 5000 mg/kg  
Test: LD50 - Route: Oral = 2480 mg/kg  
Test: LC50 - Route: Inhalation > 100 mg/l  
Menthone - CAS: 89-80-5  
a) acute toxicity:  
Test: LD50 - Route: Skin > 5000 mg/kg  
Test: LD50 - Route: Oral = 2500 mg/kg  
Test: LC50 - Route: Inhalation > 100 mg/l  
TETRAETHOXY SILANE - CAS: 78-10-4  
a) acute toxicity:  
Test: LD50 - Route: Skin > 5000 mg/kg  
Test: LD50 - Route: Oral > 5000 mg/kg  
Test: LC50 - Route: Inhalation = 11 mg/l  
octamethylcyclotetrasiloxane; [D4] - CAS: 556-67-2  
a) acute toxicity:  
Test: LD50 - Route: Skin > 5000 mg/kg  
Test: LD50 - Route: Oral > 5000 mg/kg  
Test: LC50 - Route: Inhalation > 100 mg/l  
STANNANE, DIBUTYLBIS[81-OXODODECYL) - CAS: 77-58-7  
a) acute toxicity:  
Test: LD50 - Route: Skin > 5000 mg/kg  
Test: LD50 - Route: Oral > 5000 mg/kg  
Test: LC50 - Route: Inhalation > 100 mg/l  
dipentene; limonene - CAS: 138-86-3  
a) acute toxicity:  
Test: LD50 - Route: Skin > 5000 mg/kg  
Test: LD50 - Route: Oral > 5000 mg/kg  
Test: LC50 - Route: Inhalation > 100 mg/l

#### 11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

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## SECTION 12: Ecological information

- 12.1. Toxicity  
Adopt good working practices, so that the product is not released into the environment.  
N.A.
- 12.2. Persistence and degradability  
None  
N.A.
- 12.3. Bioaccumulative potential  
N.A.
- 12.4. Mobility in soil  
N.A.
- 12.5. Results of PBT and vPvB assessment  
PBT Substances:  
 $\geq 0.25\% - < 0.5\%$  octamethylcyclotetrasiloxane; [D4] - CAS: 556-67-2



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vPvB Substances:

>= 0.25% - < 0.5% octamethylcyclotetrasiloxane; [D4] - CAS: 556-67-2

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

None

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### SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. 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.

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### SECTION 14: Transport information



14.1. UN number or ID number

ADR-UN Number: 1325

IATA-UN Number: 1325

IMDG-UN Number: 1325

14.2. UN proper shipping name

ADR-Shipping Name: FLAMMABLE SOLID, ORGANIC, N.O.S.(TETRAETHOXY SILANE)

IATA-Shipping Name: FLAMMABLE SOLID, ORGANIC, N.O.S.(TETRAETHOXY SILANE)

IMDG-Shipping Name: FLAMMABLE SOLID, ORGANIC, N.O.S.(TETRAETHOXY SILANE)

14.3. Transport hazard class(es)

ADR-Class: 4.1

ADR - Hazard identification number: 40

IATA-Class: 4.1

IATA-Label: 4.1

IMDG-Class: 4.1

14.4. Packing group

ADR-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

IMDG-EmS: F-A,  
S-G

14.6. Special precautions for user

ADR-Subsidiary hazards: -

ADR-S.P.: 274

ADR-Transport category (Tunnel restriction code): 2 (E)

IATA-Passenger Aircraft: 445

IATA-Subsidiary hazards: -

IATA-Cargo Aircraft: 448

IATA-S.P.: A3 A803

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IATA-ERG: 3L  
IMDG-Subsidiary hazards: -  
IMDG-Stowage and handling: Category B  
IMDG-Segregation: -

14.7. Maritime transport in bulk according to IMO instruments  
N.A.  
Limited Quantity: 1 kg  
Exempted Quantity: E2

#### 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)  
Regulation (EU) n. 2020/217 (ATP 14 CLP)  
Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
Regulation (EU) n. 2021/643 (ATP 16 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 40

Restrictions related to the substances contained:

Restriction 70

Restriction 75

Volatile Organic compounds - VOCs = 16.71 %

Volatile Organic compounds - VOCs = 167.13 g/Kg

Volatile Organic compounds - VOCs = 151.42 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)

SVHC Substances:

Substances in candidate list (Art. 59 Reg. 1907/2006, REACH):

octamethylcyclotetrasiloxane; [D4]

PBT, vPvB

STANNANE, DIBUTYLBIS[81-OXODODECYL]

Toxic to reproduction

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:

- H361f Suspected of damaging the unborn child.
- H410 Very toxic to aquatic life with long lasting effects.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H341 Suspected of causing genetic defects.
- H360 May damage fertility or the unborn child.
- H370 Causes damage to organs.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H226 Flammable liquid and vapour.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H304 May be fatal if swallowed and enters airways.
- H412 Harmful to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Flam. Sol. 2	2.7/2	Flammable solid, Category 2
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Corr. 1C	3.2/1C	Skin corrosion, Category 1C
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
Muta. 2	3.5/2	Germ cell mutagenicity, Category 2
Repr. 1B	3.7/1B	Reproductive toxicity, Category 1B
Repr. 2	3.7/2	Reproductive toxicity, Category 2
STOT SE 1	3.8/1	Specific target organ toxicity - single exposure, Category 1
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3

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STOT RE 1	3.9/1	Specific target organ toxicity - repeated exposure, Category 1
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

Paragraphs modified from the previous revision:

SECTION 9: Physical and chemical properties

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

<b>Classification according to Regulation (EC) Nr. 1272/2008</b>	<b>Classification procedure</b>
Flam. Sol. 2, H228	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1B, 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.

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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.