

# Safety Data Sheet

## FRESCA FOGLIA BOCCETTINO VANIGLIA



Safety Data Sheet dated 4/7/2019, version 7

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

1.1. Product identifier

Mixture identification:

Trade name: FRESCA FOGLIA BOCCETTINO VANIGLIA  
Trade code: 1572

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

1.3. Details of the supplier of the safety data sheet

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  
Centro Antiveleni di Pavia IRCCS- Fondazione Maugeri tel. +39 (0)382 24444 (h24; it, en)  
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

### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

None

Hazard statements:

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains

CIS 3 HEXENYL SILICYLATE: May produce an allergic reaction.  
4-METHOXY<a>METHYLBEMZENEPROPANAL: May produce an allergic reaction.  
ACETYL CEDRENE: May produce an allergic reaction.  
PARA-TERT-BUTYLCYCLOHEXYL ACETATE: May produce an allergic reaction.  
d-limonene: May produce an allergic reaction.  
Coumarin: May produce an allergic reaction.  
GERANIOL: May produce an allergic reaction.

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Linalool: May produce an allergic reaction.

3-CYCLOHEXENE1-CARBOXALDEHYDE4-(4-HYDROXY-4METHYL): May produce an allergic reaction.

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

None

### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

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:

>= 90% Dipropylen glycol methyl ether

REACH No.: 01-2119450011-60, CAS: 34590-94-8, EC: 252-104-2

Substance with a Union workplace exposure limit.

>= 3% - < 5% Ethyl Linalool[3,7-Dimethyl-1,6-nonadien-3-ol]

CAS: 10339-55-6, EC: 233-732-6

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.3/2 Eye Irrit. 2 H319

>= 2% - < 3% Ethyl maltol (veltol plus) 2-ETHYL-3-HYDROXY-4H-PYRAN-4-ONE

CAS: 4940-11-8

⚠ 3.1/4/Oral Acute Tox. 4 H302

>= 2% - < 3% Linalyl acetate

REACH No.: 01-2119454789-19, CAS: 115-95-7, EC: 204-116-4

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.3/2 Eye Irrit. 2 H319

>= 0.5% - < 1% Cineole

CAS: 470-82-6

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.4.2/1B Skin Sens. 1B H317

>= 0.25% - < 0.5% CIS 3 HEXENYL SILICYLATE

REACH No.: 01-2119987320-37, CAS: 65405-77-8

⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

⚠ 4.1/A1 Aquatic Acute 1 H400

⚠ 4.1/C1 Aquatic Chronic 1 H410

>= 0.1% - < 0.25% 4-METHOXY<a>METHYLBEMZENEPROPANAL

CAS: 5462-06-6

⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

4.1/C3 Aquatic Chronic 3 H412

>= 0.1% - < 0.25% ACETYL CEDRENE

CAS: 32388-55-9

⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

⚠ 4.1/A1 Aquatic Acute 1 H400

⚠ 4.1/C1 Aquatic Chronic 1 H410

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- >= 0.1% - < 0.25% Linalool  
CAS: 78-70-6  
⚠ 3.2/2 Skin Irrit. 2 H315  
⚠ 3.4.2/1B Skin Sens. 1B H317  
⚠ 3.3/2 Eye Irrit. 2 H319
- >= 0.1% - < 0.25% PARA-TERT-BUTYLCYCLOHEXYL ACETATE  
CAS: 32210-23-4  
4.1/C3 Aquatic Chronic 3 H412  
⚠ 3.4.2/1 Skin Sens. 1 H317
- >= 0.1% - < 0.25% d-limonene  
CAS: 138-86-3  
⚠ 2.6/3 Flam. Liq. 3 H226  
⚠ 3.2/2 Skin Irrit. 2 H315  
⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317  
⚠ 3.10/1 Asp. Tox. 1 H304  
⚠ 4.1/A1 Aquatic Acute 1 H400  
⚠ 4.1/C1 Aquatic Chronic 1 H410
- >= 0.1% - < 0.25% Coumarin  
REACH No.: 01-2119943756-26, CAS: 91-64-5, EC: 202-086-7  
⚠ 3.1/4/Oral Acute Tox. 4 H302  
⚠ 3.4.2/1B Skin Sens. 1B H317
- >= 0.1% - < 0.25% GERANIOL  
REACH No.: 01-2119552430-49, CAS: 106-24-1, EC: 203-377-1  
⚠ 3.2/2 Skin Irrit. 2 H315  
⚠ 3.4.2/1 Skin Sens. 1 H317  
⚠ 3.3/1 Eye Dam. 1 H318
- >= 0.1% - < 0.25% 3-CYCLOHEXENE1-CARBOXALDEHYDE4-(4-HYDROXY-4METHYL)  
CAS: 31906-04-4  
⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317  
4.1/C3 Aquatic Chronic 3 H412

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#### SECTION 4: First aid measures

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

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

None

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

Treatment:

None

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### SECTION 5: Firefighting measures

- 5.1. Extinguishing media
  - Appropriate Extinguishing Media:
  - 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.

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### 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

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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.
  - 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
  - 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

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### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
  - Dipropylen glycol methyl ether - CAS: 34590-94-8
    - 20101.10 - TWA(8h): 308 mg/m<sup>3</sup>, 50 ppm
    - EU - TWA(8h): 308 mg/m<sup>3</sup>, 50 ppm - Notes: Skin
    - ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: Skin - Eye and URT irr, CNS impair
  - DNEL Exposure Limit Values

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Dipropylen glycol methyl ether - CAS: 34590-94-8

Consumer: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, local effects

Consumer: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 310 mg/m<sup>3</sup> - Consumer: 37.2 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 65 mg/kg - Consumer: 15 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

#### PNEC Exposure Limit Values

Dipropylen glycol methyl ether - CAS: 34590-94-8

Target: Fresh Water - Value: 19 mg/l

Target: Marine water - Value: 1.9 mg/l

Target: Marine water sediments - Value: 7.02 mg/kg

Target: Freshwater sediments - Value: 70.2 mg/kg

Target: 09 - Value: 4168 mg/l

#### 8.2. Exposure controls

##### Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

##### Protection for skin:

No special precaution must be adopted for normal use.

##### Protection for hands:

Not needed for normal use.

##### Respiratory protection:

Not needed for normal 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:
Appearance and colour:	Liquid Yellow Green	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	75°C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability	N.A.	--	--

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or explosive limits:			
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	0,944 - 0,974 D20/20	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

NA=not applicable

**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
- 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 toxicological effects

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Toxicological information of the product:

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a) acute toxicity

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Based on available data, the classification criteria are not met

f) carcinogenicity

Based on available data, the classification criteria are not met

g) reproductive toxicity

Based on available data, the classification criteria are not met

h) STOT-single exposure

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Based on available data, the classification criteria are not met

j) aspiration hazard

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Dipropylen glycol methyl ether - CAS: 34590-94-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 4000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit 9510 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 3.35 mg/l - Duration: 4h

Linalyl acetate - CAS: 115-95-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 9000 mg/kg

Test: LD50 - Route: Oral - Species: Mouse = 12000 mg/kg

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

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 50 mg/l

Coumarin - CAS: 91-64-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 520

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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.

Dipropylen glycol methyl ether - CAS: 34590-94-8

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- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish 10000 mg/l - Duration h: 96  
Endpoint: EC50 - Species: Daphnia 1919 mg/l - Duration h: 48  
Endpoint: CE5 - Species: Algae 4168 mg/l - Duration h: 72

Linalyl acetate - CAS: 115-95-7

- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish = 11 mg/l - Duration h: 96  
Endpoint: EC50 - Species: Daphnia = 15 mg/l - Duration h: 48  
Endpoint: NOEC - Species: Algae = 9.6 mg/l - Duration h: 72

Coumarin - CAS: 91-64-5

- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish = 2.94 mg/l - Duration h: 96  
Endpoint: EC50 - Species: Daphnia = 24.3 mg/l - Duration h: 48  
Endpoint: EC50 - Species: Algae = 1.45 mg/l - Duration h: 72

#### 12.2. Persistence and degradability

None

Dipropylen glycol methyl ether - CAS: 34590-94-8

Biodegradability: Readily biodegradable - %: 1000-10000

#### 12.3. Bioaccumulative potential

Dipropylen glycol methyl ether - CAS: 34590-94-8

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 0.0043

#### 12.4. Mobility in soil

N.A.

#### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

#### 12.6. Other adverse effects

None

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### 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.

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### SECTION 14: Transport information

#### 14.1. UN number

UN number:

Not classified as dangerous in the meaning of transport regulations.

#### 14.2. UN proper shipping name

N.A.

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

N.A.

#### 14.4. Packing group

N.A.

#### 14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

#### 14.6. Special precautions for user

N.A.

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No

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### SECTION 15: Regulatory information

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

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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) 2015/830  
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)

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 = 87.63 %  
Volatile Organic compounds - VOCs = 876.33 g/Kg  
Volatile Organic compounds - VOCs = 839.52 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  
None

#### 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

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### SECTION 16: Other information

Text of phrases referred to under heading 3:

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H302 Harmful if swallowed.  
H226 Flammable liquid and vapour.  
H317 May cause an allergic skin reaction.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
H304 May be fatal if swallowed and enters airways.  
H318 Causes serious eye damage.

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Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
Skin Sens. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
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 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Paragraphs modified from the previous revision:

- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 7: Handling and storage
- SECTION 15: Regulatory information

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
Aquatic Chronic 3, H412	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.

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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.