

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Printing date 16.06.2017

Revision: 16.06.2017

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

### 1.1 Product identifier

Trade name: **SELMAT/ KALOCEM STRAWBERRY&CHAMPAGNE**

Article number: 4269575

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

Not for personal use. Only for industrial use.

### Application of the substance / the mixture

This material is for industrial use only in household products, cosmetics, fragrances and fragranced products.

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

GOSB Tembelova Alanı 3300 sokak No: 3306  
Gebze, Kocaeli / Turkiye

#### Further information obtainable from:

kalite@gulcicek.com

#### 1.4 Emergency telephone number:

+90 (262) 677 00 00 pbx Only available during office hours (UTC+2)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Repr. 2 H361f Suspected of damaging fertility.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

#### Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS07

GHS08

GHS09

#### Signal word

Warning

#### Hazard-determining components of labelling:

p-t-Butyl-alpha-methylhydrocinnamic aldehyde  
Benzyl benzoate  
alpha-Hexylcinnamaldehyde  
2-phenylethanol  
Ethyl methylphenylglycidate  
dl-Citronellol  
Hydroxy-citronellal  
nerol  
Geraniol  
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone  
Eugenol  
4-Methoxy-alpha-methylbenzenepropanal  
alpha-methyl-1,3-benzodioxole-5-propionaldehyde  
Citral

#### Hazard statements

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H361f Suspected of damaging fertility.  
H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 Specific treatment (see on this label).  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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## 2.3 Other hazards

### Results of PBT and vPvB assessment

PBT: Not applicable.  
vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

Description:	Multi component mixture.	
<b>Dangerous components:</b>		
CAS: 80-54-6	p-t-Butyl-alpha-methylhydrocinnamic aldehyde	15-20%
EINECS: 201-289-8	Repr. 2, H361f; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 101-86-0	alpha-Hexylcinnamaldehyde	10-15%
EINECS: 202-983-3	Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Skin Sens. 1B, H317	
CAS: 1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	10-15%
EINECS: 214-946-9	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
Index number: 603-212-00-7		
CAS: 120-51-4	Benzyl benzoate	5-10%
EINECS: 204-402-9	Aquatic Chronic 2, H411; Acute Tox. 4, H302	
Index number: 607-085-00-9		
CAS: 78-70-6	Linalool	5-10%
EINECS: 201-134-4	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 8000-41-7	Terpineol	2.5-5%
EINECS: 232-268-1	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 77-83-8	Ethyl methylphenylglycidate	2.5-5%
EINECS: 201-061-8	Aquatic Chronic 2, H411; Skin Sens. 1, H317	
CAS: 106-22-9	dl-Citronellol	2.5-5%
EINECS: 203-375-0	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 60-12-8	2-phenylethanol	2.5-5%
EINECS: 200-456-2	Acute Tox. 4, H302; Eye Irrit. 2, H319	
CAS: 107-75-5	Hydroxy-citronellal	1-2.5%
EINECS: 203-518-7	Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 106-25-2	nerol	1-2.5%
EINECS: 203-378-7	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 106-24-1	Geraniol	1-2.5%
EINECS: 203-377-1	Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 54464-57-2	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanol	1-2.5%
EINECS: 259-174-3	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 31906-04-4	3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde	1-2.5%
EINECS: 250-863-4	Skin Sens. 1, H317	
CAS: 97-53-0	Eugenol	0.1-1%
EINECS: 202-589-1	Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	0.1-1%
EINECS: 227-813-5	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	
Index number: 601-029-00-7		
CAS: 5462-06-6	4-Methoxy-alpha-methylbenzenepropanal	0.1-1%
EINECS: 226-749-5	Skin Sens. 1B, H317	
CAS: 65405-77-8	cis-3-Hexenyl salicylate	0.1-1%
EINECS: 265-745-8	Aquatic Chronic 1, H410	
CAS: 103-95-7	2-Methyl-3-(p-isopropylphenyl)propionaldehyde	0.1-1%
EINECS: 203-161-7	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 1205-17-0	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	0.1-1%
EINECS: 214-881-6	Aquatic Chronic 2, H411; Skin Sens. 1, H317	
CAS: 106-21-8	3,7-dimethyloctan-1-ol	0.1-1%
EINECS: 203-374-5	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 8008-57-9	Orange oil, sweet	0.1-1%
EINECS: 232-433-8	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 5392-40-5	Citral	0.1-1%
EINECS: 226-394-6	Skin Irrit. 2, H315; Skin Sens. 1, H317	
Index number: 605-019-00-3		
CAS: 57378-68-4	delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	0.1-1%
EINECS: 260-709-8	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	
<b>Additional information:</b>	For the wording of the listed hazard phrases refer to section 16.	

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information:** Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**After inhalation:** Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Call for a doctor immediately.

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- . **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- . **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

## SECTION 5: Firefighting measures

- . **5.1 Extinguishing media**  
. **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.  
CO<sub>2</sub>, foam, dry chemical.  
Never use a direct water jet on burning material.
- . **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- . **5.3 Advice for firefighters**  
. **Protective equipment:** Wear self-contained respiratory protective device.  
Do not inhale explosion gases or combustion gases.
- . **Additional information** Cool endangered receptacles with water spray.

## SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation  
Particular danger of slipping on leaked/spilled product.  
Keep away from ignition sources.  
Wear protective clothing.
- . **6.2 Environmental precautions:** Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- . **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Clean the affected area carefully; suitable cleaners are:  
Warm water and cleansing agent  
Organic solvent
- . **6.4 Reference to other sections** See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- . **Information about fire - and explosion protection:** Protect from heat.
- . **7.2 Conditions for safe storage, including any incompatibilities**  
. **Storage:**  
. **Requirements to be met by storerooms and receptacles:** No special requirements.
- . **Information about storage in one common storage facility:** Not required.  
Keep container tightly sealed.  
Protect from heat and direct sunlight.  
Store receptacle in a well ventilated area.  
Protect from humidity and water.  
Protect from exposure to the light.  
Store in a cool place.
- . **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- . **Additional information about design of technical facilities:** No further data; see item 7.
- . **8.1 Control parameters**  
. **Ingredients with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- . **DNELs**

### 101-86-0 alpha-Hexylcinnamaldehyde

Dermal DNEL Chronic Local 0.525 mg/cm<sup>2</sup> (workers)  
DNEL Chronic Systemic 18.2 mg/kg-bw/day (workers)  
DNEL Acute Local 0.525 mg/cm<sup>2</sup> (workers)  
Inhalative DNEL Acute Local 6.28 mg/m<sup>3</sup> (workers)  
DNEL Chronic Systemic 0.078 mg/m<sup>3</sup> (workers)

### 54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone

Dermal DNEL Acute Local 0.1011 mg/cm<sup>2</sup> (workers)  
Inhalative DNEL Chronic Systemic 1.76 mg/m<sup>3</sup> (workers)

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## PNECs

### 101-86-0 alpha-Hexylcinnamaldehyde

PNEC aqua fw	0.03 mg/l
PNEC aqua m	0.003 mg/l
PNEC STP	10 mg/l
PNEC sediment fw	4.7 mg/kg dwt
PNEC sediment m	4.77 mg/kg dwt
PNEC soil	9.51 mg/kg dwt
PNEC sec. poisoning	6.6 mg/kg

## Additional information:

The lists valid during the making were used as basis.

## 8.2 Exposure controls

### Personal protective equipment:

#### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
Do not eat or drink while working.

#### Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

#### Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

#### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### Eye protection:



Tightly sealed goggles

#### Body protection:

Protective work clothing

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

#### Appearance:

Form:	Clear, Liquid
Colour:	Very pale yellow
Odour:	Fruity, Citrus, Floral, Sweet

#### Flash point:

>100 °C

#### Auto-ignition temperature:

Product is not selfigniting.

#### Explosive properties:

Product does not present an explosion hazard.

#### Density at 25 °C:

0.971 - 0.981 g/cm<sup>3</sup>

#### Refractive Index at 25 °C:

1.5050-1.5120

#### Solubility in / Miscibility with

water:	Not miscible or difficult to mix.
alcohols:	Fully miscible.

#### 9.2 Other information

No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No further relevant information available.

### 10.2 Chemical stability

Stable in standard conditions.

### Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

### 10.3 Possibility of hazardous reactions

It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

### 10.4 Conditions to avoid

Direct heat sources.

### 10.5 Incompatible materials:

No further relevant information available.

### 10.6 Hazardous decomposition products:

Carbon Monoxide and Unidentified organic compounds may be formed during combustion.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Harmful if swallowed.

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**LD/LC50 values relevant for classification:**

**101-86-0 alpha-Hexylcinnamaldehyde**

Oral LD50 3100 mg/kg (rat)  
 Dermal LD50 >3000 mg/kg (rabbit)  
 Inhalative LC50/4 h >5 mg/l (rat)

**1222-05-5 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**

Oral LD50 >4640 mg/kg (rat)  
 Dermal LD50 >6500 mg/kg (rat)

**120-51-4 Benzyl benzoate**

Oral LD50 1700 mg/kg (rat)  
 Dermal LD50 4000 mg/kg (rabbit)

**106-22-9 dl-Citronellol**

Oral LD50 3450 mg/kg (rat)  
 Dermal LD50 2650 mg/kg (rabbit)

**54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone**

Oral LD50 5000 mg/kg (rat)  
 Dermal LD50 5000 mg/kg (rat)

**5989-27-5 (R)-p-mentha-1,8-diene**

Oral LD50 4400 mg/kg (rat)

**Primary irritant effect:**

- |  |   |
|--|---|
| • <b>Skin corrosion/irritation</b>   | Causes skin irritation.   |
| • <b>Serious eye damage/irritation</b>   | Causes serious eye irritation.                                    |
| • <b>Respiratory or skin sensitisation</b>   | May cause an allergic skin reaction.                              |
| • <b>CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)</b> |   |
| • <b>Germ cell mutagenicity</b>  | Based on available data, the classification criteria are not met. |
| • <b>Carcinogenicity</b>   | Based on available data, the classification criteria are not met. |
| • <b>Reproductive toxicity</b>   | Suspected of damaging fertility.                                  |
| • <b>STOT-single exposure</b>  | Based on available data, the classification criteria are not met. |
| • <b>STOT-repeated exposure</b>  | Based on available data, the classification criteria are not met. |
| • <b>Aspiration hazard</b>   | Based on available data, the classification criteria are not met. |

## SECTION 12: Ecological information

**12.1 Toxicity**

**Aquatic toxicity:**

**101-86-0 alpha-Hexylcinnamaldehyde**

LC50 96h. 1.7 mg/l (fish)

**1222-05-5 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**

EC50 48h 0.9 mg/l (daphnia)

ErC50 72h >0.854 mg/l (alg)

EbC50 72h >0.723 mg/l (alg)

LC50 21d 0.452 mg/l (fish)

NOEC 21 d 0.111 mg/l (daphnia)

**54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone**

EC50 48h 1.38 mg/l (daphnia)

EC50 72h 2.6 mg/l (alg)

LC50 96h. 1.3 mg/l (fish)

NOEC 42 h >100 mg/l (bacteria)

NOEC 30 d 0.16 mg/l (fish)

NOEC 21 d 0.028 mg/l (daphnia)

**12.2 Persistence and degradability**

No further relevant information available.

**12.3 Bioaccumulative potential**

No further relevant information available.

**12.4 Mobility in soil**

No further relevant information available.

**Ecotoxicological effects:**

**Remark:**

Very toxic for fish

**Additional ecological information:**

**General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
 Do not allow product to reach ground water, water course or sewage system.  
 Danger to drinking water if even small quantities leak into the ground.  
 Also poisonous for fish and plankton in water bodies.  
 Very toxic for aquatic organisms

**12.5 Results of PBT and vPvB assessment**

**PBT:**

Not applicable.

**vPvB:**

Not applicable.

**12.6 Other adverse effects**

No further relevant information available.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

**Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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- . Uncleaned packaging:  
 . Recommendation: Disposal must be made according to official regulations.

## SECTION 14: Transport information

- . 14.1 UN-Number  
 . ADR, IMDG, IATA UN3082
- . 14.2 UN proper shipping name  
 . ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (p-t-Butyl-alpha-methylhydrocinnamic aldehyde, alpha-Hexylcinnamaldehyde)
- . IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (p-t-Butyl-alpha-methylhydrocinnamic aldehyde, alpha-Hexylcinnamaldehyde), MARINE POLLUTANT
- . IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (p-t-Butyl-alpha-methylhydrocinnamic aldehyde, alpha-Hexylcinnamaldehyde)
- . 14.3 Transport hazard class(es)  
 . ADR, IMDG, IATA
- 
- . Class 9 Miscellaneous dangerous substances and articles.  
 . Label 9
- . 14.4 Packing group III
- . ADR, IMDG, IATA
- . 14.5 Environmental hazards: Product contains environmentally hazardous substances: alpha-Hexylcinnamaldehyde, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran
- . Marine pollutant: Yes
- . Special marking (ADR): Symbol (fish and tree)
- . Special marking (IATA): Symbol (fish and tree)
- . 14.6 Special precautions for user: Warning: Miscellaneous dangerous substances and articles.
- . Danger code (Kemler): 90
- . EMS Number: F-A,S-F
- . Stowage Category A
- . 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.
- . Transport/Additional information:
- 
- . ADR
- . Limited quantities (LQ) 5L
- . Excepted quantities (EQ) Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml
- . Transport category 3
- 
- . IMDG
- . Limited quantities (LQ) 5L
- . Excepted quantities (EQ) Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml
- . UN "Model Regulation": UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (P-T-BUTYL-ALPHA-METHYLHYDROCINNAMIC ALDEHYDE, ALPHA-HEXYLCINNAMALDEHYDE), 9, III

## SECTION 15: Regulatory information

- . 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- . Directive 2012/18/EU
- . Named dangerous substances - ANNEX I None of the ingredients is listed.
- . Seveso category E2 Hazardous to the Aquatic Environment
- . Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- . Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- . REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- . 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . Relevant phrases H226 Flammable liquid and vapour.  
 H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.

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H319 Causes serious eye irritation.  
H361f Suspected of damaging fertility.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

**. Recommended restriction of use**

This material is for industrial use only in household products, cosmetics, fragrances and fragranced products.

**. Customs tariffs:**

3302.90.90.00.00

**. Contact:**

N. Alan  
kalite@gulcicek.com

**. Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 3: Flammable liquids – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1B: Skin sensitisation – Category 1B  
Repr. 2: Reproductive toxicity – Category 2  
Asp. Tox. 1: Aspiration hazard – Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

— EU —