

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Printing date 24.02.2017

Revision: 24.02.2017

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

1.1 Product identifier

Trade name:

SELMAT/ KALOCHEM FRESCA

Article number:

4263232

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

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:

4-tert-butylcyclohexyl acetate
p-t-Butyl-alpha-methylhydrocinnamic aldehyde
Eugenol
dl-Citronellol

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H361f Suspected of damaging fertility.

Precautionary statements

H411 Toxic to aquatic life with long lasting effects.
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.

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.

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Dangerous components:

CAS: 32210-23-4	4-tert-butylcyclohexyl acetate	15-20%
EINECS: 250-954-9	Aquatic Chronic 2, H411; Skin Sens. 1, H317	
CAS: 60-12-8	2-phenylethanol	10-15%
EINECS: 200-456-2	Acute Tox. 4, H302; Eye Irrit. 2, H319	
CAS: 8000-41-7	Terpineol	5-10%
EINECS: 232-268-1	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 80-54-6	p-t-Butyl-alpha-methylhydrocinnamic aldehyde	5-10%
EINECS: 201-289-8	Repr. 2, H361f; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 87-20-7	Isoamyl salicylate	2,5-5%
EINECS: 201-730-4	Aquatic Chronic 2, H411	
CAS: 2500-83-6	Tricyclo[5.2.1.02,6]dec-4-en-8-yl acetate	2,5-5%
EINECS: 226-501-6	Aquatic Chronic 3, H412	
CAS: 88-41-5	2-tert-Butylcyclohexyl acetate	2,5-5%
EINECS: 201-828-7	Aquatic Chronic 2, H411	
CAS: 18479-58-8	2,6-dimethyloct-7-en-2-ol	2,5-5%
EINECS: 242-362-4	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 97-53-0	Eugenol	1-2,5%
EINECS: 202-589-1	Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 106-22-9	dl-Citronellol	1-2,5%
EINECS: 203-375-0	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 106-24-1	Geraniol	0,1-1%
EINECS: 203-377-1	Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 31906-04-4	3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde	0,1-1%
EINECS: 250-863-4	Skin Sens. 1, H317	
CAS: 112-45-8	10-Undecenal	0,1-1%
EINECS: 203-973-1	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 101-86-0	alpha-Hexylcinnamaldehyde	0,1-1%
EINECS: 202-983-3	Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Skin Sens. 1B, H317	
CAS: 118-58-1	Benzyl Salicylate	0,1-1%
EINECS: 204-262-9	Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 128-37-0	2,6-di-tert-butyl-p-cresol	0,1-1%
EINECS: 204-881-4	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 84961-50-2	Clove bud oil	0,1-1%
EINECS: 284-638-7	Asp. Tox. 1, H304; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 110-41-8	2-methylundecanal	0,1-1%
EINECS: 203-765-0	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 93-53-8	hydratropaldehyde	0,1-1%
EINECS: 202-255-5	Repr. 2, H361i; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 106-25-2	nerol	≤0,1%
EINECS: 203-378-7	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- 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:** If symptoms persist consult doctor.

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:** CO₂, 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

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- 6.2 Environmental precautions:**
- Particular danger of slipping on leaked/spilled product.
Keep away from ignition sources.
Wear protective clothing.
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:**
- No special measures required.

- 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.
- Further information about storage conditions:**
- Keep container tightly sealed.
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 ² (workers)
DNEL Chronic Systemic	18,2 mg/kg-bw/day (workers)
DNEL Acute Local	0,525 mg/cm ² (workers)
Inhalative DNEL Acute Local	6,28 mg/m ³ (workers)
DNEL Chronic Systemic	0,078 mg/m ³ (workers)

- 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.

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- Material of gloves**
- Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
- Penetration time of glove material**
- 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.
- Eye protection:**
- The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.



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: | Colorless |
| Odour: | Floral, Fresh, Powdery |
| Flash point: | 98 °C |
| Self-igniting: | Product is not selfigniting. |
| Danger of explosion: | Product does not present an explosion hazard. |
| Density at 25 °C: | 0,970-0,980 g/cm ³ |
| Refractive Index at 25 °C: | 1.4815-1.4885 |
| 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** Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

60-12-8 2-phenylethanol

Oral LD50 1790 mg/kg (rat)

Dermal LD50 790 mg/kg (rabbit)

88-41-5 2-tert-Butylcyclohexyl acetate

Oral LD50 4600 mg/kg (rat)

Dermal LD50 5000 mg/kg (rabbit)

125-12-2 exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-ylacetate

Oral LD50 10000 mg/kg (rat)

Dermal LD50 20000 mg/kg (rabbit)

106-22-9 dl-Citronellol

Oral LD50 3450 mg/kg (rat)

Dermal LD50 2650 mg/kg (rabbit)

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)

128-37-0 2,6-di-tert-butyl-p-cresol

Oral LD50 890 mg/kg (rat)

110-41-8 2-methylundecanal

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >10000 mg/kg (rabbit)

Primary irritant effect:

- Skin corrosion/irritation** Causes skin irritation.

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

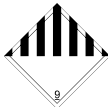

SECTION 12: Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:**
 - 88-41-5 2-tert-Butylcyclohexyl acetate
 - EC50 48h 23,4 mg/l (daphnia)
 - LC50 48h 14,9 mg/l (fish)
 - LC50 72h 17 mg/l (alg)
 - 101-86-0 alpha-Hexylcinnamaldehyde
 - LC50 96h 1,7 mg/l (fish)
- . **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:** 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.
 - 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.
- . **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. (4-tert-butylcyclohexyl acetate, p-t-Butyl-alpha-methylhydrocinnamic aldehyde)
 - . **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4-tert-butylcyclohexyl acetate, p-t-Butyl-alpha-methylhydrocinnamic aldehyde), MARINE POLLUTANT
 - . **IATA** Environmentally hazardous substance, liquid, n.o.s. (4-tert-butylcyclohexyl acetate, p-t-Butyl-alpha-methylhydrocinnamic aldehyde)
 - . **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** III
 - . **14.5 Environmental hazards:** Product contains environmentally hazardous substances: alpha-Hexylcinnamaldehyde
 - . **Marine pollutant:** Symbol (fish and tree)
 - . **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.

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Transport/Additional information:

ADR
Limited quantities (LQ)
Excepted quantities (EQ)
Transport category
Tunnel restriction code

5L
 Code: E1
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 1000 ml
 3
 E

IMDG

Limited quantities (LQ)
Excepted quantities (EQ)

5L
 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. (4-TERT-BUTYL-CYCLOHEXYL ACETATE, P-T-BUTYL-ALPHA-METHYLHYDROCINNAMIC ALDEHYDE), 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
Seveso category
Qualifying quantity (tonnes) for the application of lower-tier requirements
Qualifying quantity (tonnes) for the application of upper-tier requirements
15.2 Chemical safety assessment:

None of the ingredients is listed.
 E2 Hazardous to the Aquatic Environment
 200 t
 500 t
 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
 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.
 H319 Causes serious eye irritation.
 H361 Suspected of damaging fertility or the unborn child.
 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.
 H412 Harmful 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. Dikenoğlu
 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
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
 Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B
 Repr. 2: Reproductive toxicity, Hazard Category 2
 Repr. 2: Reproductive toxicity, Hazard Category 2
 Asp. Tox. 1: Aspiration hazard, Hazard Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3