

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Printing date 23.05.2017

Revision: 23.05.2017

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

### 1.1 Product identifier

Trade name:

**SELMAT/ KALOCEM CITRONELLA SOLUBLE**

Article number:

4271214

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

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

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



GHS07

Skin Irrit. 2 H315 Causes skin 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.



GHS05



GHS07



GHS08



GHS09

Signal word

Danger

Hazard-determining components of labelling:

Citronella oil, java  
dipentene  
Pine, ext.  
terpinolene 20  
(R)-p-mentha-1,8-diene  
Eucalyptus oil citriodora  
Eucalyptus globulus oil  
dl-Citronellol

Hazard statements

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.  
H304 May be fatal if swallowed and enters airways.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
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.

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. vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

. Description: Multi component mixture.

### . Dangerous components:

CAS: 94266-48-5	Pine, ext.	15-20%
EC number: 304-455-9	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 8000-41-7	Terpineol	15-20%
EINECS: 232-268-1	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 138-86-3	dipentene	15-20%
EINECS: 205-341-0	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: 91771-61-8	Citronella oil, java	10-15%
EINECS: 294-954-7	Eye Dam. 1, H318; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	
	terpinolene 20	5-10%
	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 101-84-8	diphenyl ether	5-10%
EINECS: 202-981-2	Aquatic Chronic 2, H411	
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	1-2.5%
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: 85203-56-1	Eucalyptus oil citriodora	1-2.5%
EINECS: 286-249-8	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 8000-48-4	Eucalyptus globulus oil	0.1-1%
EINECS: 283-406-2	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Sens. 1, H317	
CAS: 106-22-9	dl-Citronellol	0.1-1%
EINECS: 203-375-0	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	

. Additional information: For the wording of the listed hazard 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. Then 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: 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.

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See Section 13 for disposal information.

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## 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:** 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.
- . **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 skin.  
Avoid contact with the eyes and skin.  
Do not eat or drink while working.  
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.
- . **Respiratory protection:**
- . **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.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation of the material 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.



Tightly sealed goggles

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 to very pale yellow
- . **Odour:** Citronella
- . **Flash point:** 66 °C
- . **Auto-ignition temperature:** Product is not selfigniting.
- . **Explosive properties:** Product does not present an explosion hazard.
- . **Density at 25 °C:** 0.941 - 0.951 g/cm<sup>3</sup>
- . **Refractive Index at 25 °C:** 1.4745 - 1.4815
- . **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- . **alcohols:** Fully miscible.

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. **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:**  
**94266-48-5 Pine, ext.**  
 Oral LD50 3200 mg/kg (rat)  
 Dermal LD50 >5000 mg/kg (rabbit)  
**101-84-8 diphenyl ether**  
 Oral LD50 3370 mg/kg (rat)  
**5989-27-5 (R)-p-mentha-1,8-diene**  
 Oral LD50 4400 mg/kg (rat)  
 . **Primary irritant effect:**  
 . **Skin corrosion/irritation** Causes skin irritation.  
 . **Serious eye damage/irritation** Causes serious eye damage.  
 . **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** Based on available data, the classification criteria are not met.  
 . **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** May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

. **12.1 Toxicity**  
 . **Aquatic toxicity:** No further relevant information available.  
 . **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 3 (German Regulation) (Self-assessment): extremely hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely 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. (DIPENTENE, terpinolene 20)  
 . **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, terpinolene 20), MARINE POLLUTANT  
 . **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, terpinolene 20)

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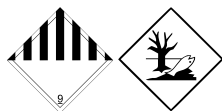
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**14.3 Transport hazard class(es)**

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: dipentene, terpinolene 20
. 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.

**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. (DIPENTENE, TERPINOLENE 20), 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. 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. 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) LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 3: Flammable liquids – Category 3  
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  
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

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