

## Label-Remover pen

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

#### 1.1 - Product identifier

Trade name/designation: Label-Remover pen  
Chemical name:  
Product-type: Mixture  
Product code: 213  
UFI: W300-P0FQ-V00W-GPU9

#### 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

ECS Cleaning Solutions GmbH  
Wolfener Str. 32-34  
D-12681 Berlin Germany  
Telephone : +49 (0)30 / 36 46 40 36  
gunnar.kleinmann@ecsag.com

#### 1.4 - Emergency telephone number

Germany: Intoxications Information Center; +49 761 19240  
Switzerland: Swiss Toxicological Information Centre; +41 44 251 51 51  
Austria: Intoxication information center; +43 1 406 43 43

### SECTION 2: Hazards identification

#### 2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 3	Flammable liquid and vapour. - Category 3
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1	Skin sensitization - Category 1
Asp. Tox. 1	Aspiration hazard - Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1

#### 2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: linalool; 3,7-dimethyl- 1,6-octadien-3-ol; dl-linalool; (CAS No.: 78-70-6) | (R)-p-mentha-1,8-diene, d-limonene (CAS No.: 5989-27-5)

Signal word : Danger

Hazard pictograms



Hazard statements

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways

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H315	Causes skin irritation
H317	May cause an allergic skin reaction
H410	Very toxic to aquatic life with long lasting effects

### Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P262	Do not get in eyes, on skin, or on clothing.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/a doctor.
P331	Do NOT induce vomiting.
EUH-phrases	: None

### Regulation (EC) No. 648/2004 (Detergents regulation)

#### 2.3 - Other hazards

## SECTION 3: Composition / information on ingredients

### 3.1 - Substances

Not applicable

### 3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
(R)-p-mentha-1,8-diene, d-limonene	CAS No. : 5989-27-5 Index No. : 601-029-00-7 EC No. : 227-813-5	< 1	Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412 Asp. Tox. 1 - H304 Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317	M-factor: / 1
linalool; 3,7-dimethyl- 1,6-octadien-3-ol; dl-linalool;	CAS No. : 78-70-6 Index No. : 603-235-00-2 EC No. : 201-134-4	> 99	Skin Sens. 1B - H317	Not applicable

## SECTION 4: First aid measures

### 4.1 - Description of first aid measures

<u>Following inhalation</u>	- No special measures are necessary. - Provide fresh air.
<u>Following skin contact</u>	- After contact with skin, wash immediately with plenty of water and soap. - In case of skin irritation, consult a physician. - In case of skin reactions, consult a physician.
<u>After eye contact</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.
<u>After ingestion</u>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting.

### 4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation - No information available.

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Symptoms and effects - Following skin contact - Causes skin irritation.

Symptoms and effects - After eye contact - No information available.

Symptoms and effects - After ingestion - No information available.

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

- Treat symptomatically.

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## SECTION 5: Firefighting measures

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### 5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO<sub>2</sub>)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

### 5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No information available.

Hazardous decomposition products - No information available.

### 5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Move undamaged containers from immediate hazard area if it can be done safely.

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## SECTION 6: Accidental release measures

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### 6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.
- Remove all sources of ignition.

For emergency responders - No information available.

### 6.2 - Environmental precautions

- No information available.

### 6.3 - Methods and material for containment and cleaning up

Methods and material for containment - No information available.

Methods and material for cleaning up

- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques - No information available.

### 6.4 - Reference to other sections

- Disposal: see section 13

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- Personal protection equipment: see section 8

### SECTION 7: Handling and storage

#### 7.1 - Precautions for safe handling

##### Recommendation

- Avoid: Skin contact
- It is recommended to design all work processes always so that the following is excluded: Skin contact
- It is recommended to design all work processes always so that the following is excluded: Generation/formation of dust
- It is recommended to design all work processes always so that the following is excluded: generation/formation of aerosols
- Vapours can form explosive mixtures with air.
- When using do not smoke.
- Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
- Use only in well-ventilated areas.

##### Advices on general occupational hygiene

- No information available.

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

- Storage class Flammable liquids
- Keep container tightly closed and in a well-ventilated place.
- Do not store together with: Combustible substance
- Protect against: Heat

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

### SECTION 8: Exposure controls/personal protection

#### 8.1 - Control parameters

#### 8.2 - Exposure controls

##### Appropriate engineering controls

- No information available.

##### Individual protection measures, such as personal protective equipment

- Suitable protective clothing: lab coat

- Tested protective gloves must be worn

- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Barrier creams are not substitutes for body protection.



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### SECTION 9: Physical and chemical properties

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

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	light yellow	<u>Odour</u>	characteristic
Odour threshold	No data available		
pH	No data available		
Melting point	No data available		
Freezing point	No data available		
Boiling point	177 °C		
Flash point	53.4 °C		
Evaporation rate	No data available		
flammability	No data available		
Lower explosion limit	0.7 % Vol.		
Upper explosion limit	6.1 % Vol.		
Vapour pressure	No data available		
Vapour density	No data available		
Relative density	No data available		
Density	0.847 g/cm <sup>3</sup>		
Solubility (Water)	No data available		
Solubility (Ethanol)	No data available		
Solubility (Acetone)	No data available		
Solubility (Organic solvents)	No data available		
Log KOC	No data available		
Auto-ignition temperature	No data available		
Decomposition temperature	No data available		
Kinematic viscosity	No data available		
Dynamic viscosity	No data available		

#### Particle characteristics

Particle size	No data available
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#### 9.2 - Other information

VOC content	840 g/l
Minimum ignition energy	No data available
Conductivity	No data available

### SECTION 10: Stability and reactivity

#### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

#### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3 - Possibility of hazardous reactions

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- No hazardous reaction when handled and stored according to provisions.

### 10.4 - Conditions to avoid

- In case of warming: Ignition hazard

### 10.5 - Incompatible materials

- No information available.

### 10.6 - Hazardous decomposition products

- No information available.

## SECTION 11: Toxicological information

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

Acute toxicity - Not classified

#### Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Based on available data, the classification criteria are not met.

#### Toxicity : Substances

linalool; 3,7-dimethyl- 1,6-octadien-3-ol; dl-linalool; (78-70-6)	
LD50 oral (rat)	2790 mg/kg
LD50 dermal (rat)	5610 mg/kg

Skin corrosion/irritation - Irritation, Category 2 - Causes skin irritation

- Irritating to skin.

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Skin sensitization - Category 1 - May cause an allergic skin reaction

- May cause sensitization by skin contact.  
- May cause an allergic skin reaction.

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Aspiration hazard - Category 1 - May be fatal if swallowed and enters airways

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### 11.2 - Information on other hazards

## SECTION 12: Ecological information

### 12.1 - Toxicity

#### Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

#### Toxicity : Substances

linalool; 3,7-dimethyl- 1,6-octadien-3-ol; dl-linalool; (78-70-6)

LC50 96 hr fish	27.8 mg/l
NOEC chronic algae	54.3 mg/l

- Very toxic to aquatic life.
- Harmful to aquatic life with long lasting effects.

### 12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

### 12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

### 12.4 - Mobility in soil

- No information available.

### 12.5 - Results of PBT and vPvB assessment

### 12.6 - Endocrine disrupting properties

### 12.7 - Other adverse effects

- No information available.

## SECTION 13: Disposal considerations

### 13.1 - Waste treatment methods

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<u>Waste treatment methods</u>	- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- No information available.

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### SECTION 14: Transport information

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#### 14.1 - UN number or ID number

<u>UN number (ADR)</u>	:	UN2319
<u>UN number (RID)</u>	:	UN2319
<u>UN number (ADN)</u>	:	UN2319
<u>UN number (IMDG)</u>	:	UN2319
<u>UN number (IATA)</u>	:	UN2319

#### 14.2 - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	TERPENE HYDROCARBONS, N.O.S.
<u>UN proper shipping name (RID)</u>	:	TERPENE HYDROCARBONS, N.O.S.
<u>UN proper shipping name (ADN)</u>	:	TERPENE HYDROCARBONS, N.O.S.
<u>UN proper shipping name (IMDG)</u>	:	TERPENE HYDROCARBONS, N.O.S.
<u>UN proper shipping name (IATA)</u>	:	TERPENE HYDROCARBONS, N.O.S.

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



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ADR Transport hazard class(es) : 3

ADR Classification code: : F1

Pictograms



Transport hazard class(es) (RID) : 3

Pictograms



Transport hazard class(es) (ADN) : 3

Pictograms



Transport hazard class(es) (IMDG) : 3

Pictograms



Transport hazard class(es) (IATA) : 3

Pictograms



### 14.4 - Packing group

Packing group : III

Packing group (RID) : III

Packing group (ADN) : III

Packing group (IMDG) : III

Packing group (IATA) : III

### 14.5 - Environmental hazards

Environmental hazards : Yes.

Marine pollutant : Hazardous to the aquatic environment - Aquatic Chronic 1

### 14.6 - Special precautions for user

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### **ADR**

<u>ADR Classification code:</u>	:	F1
<u>ADR Special provisions</u>	:	
<u>ADR Limited quantity (LQ)</u>	:	5L
<u>ADR Excepted quantities</u>	:	E1
<u>ADR Packing instructions</u>	:	P001 IBC03 LP01 R001
<u>ADR Special packing provisions</u>	:	
<u>ADR Mixed packing provisions</u>	:	MP19
<u>Instructions for portable tanks and bulk containers</u>	:	T4
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP29
<u>ADR tank code</u>	:	LGBF
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	FL
<u>ADR Transport category</u>	:	3
<u>ADR Tunnel restriction code</u>	:	D/E
<u>ADR Special provisions loading, unloading and handling</u>	:	
<u>Special provisions - Packages</u>	:	V12
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	S2
<u>ADR Hazard identification number (Kemler No.)</u>	:	30

### **RID**

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

### **ADN**

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

### **IMDG**

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	5 L
<u>Excepted quantities</u>	:	E1
<u>Packing instructions</u>	:	P001 LP01
<u>Special packing provisions</u>	:	
<u>IBC instruction(s)</u>	:	IBC03
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	T4
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP29
<u>EmS codes</u>	:	F-E, S-D
<u>Stowage and handling</u>	:	Category A
<u>Segregation</u>	:	
<u>Properties and observations</u>	:	Colourless or yellowish liquids. Flashpoint: 32°C to 49°C c.c. Immiscible with water.

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### IATA

<u>PCA - Excepted quantities</u>	:	E1
<u>PCA - Limited Quantity - Packing Instructions</u>	:	Y344
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:	10L
<u>PCA - Packing Instructions</u>	:	355
<u>PCA - Maximum Net Quantity per Package</u>	:	60L
<u>CAO - Packing Instructions</u>	:	366
<u>CAO - Maximum Net Quantity per Package</u>	:	220L
<u>Special Provisions</u>	:	
<u>ERG Code</u>	:	3L

14.7 - Maritime transport in bulk according to IMO instruments

### **SECTION 15: Regulatory information**

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content 840 g/l

Regulation (EC) No. 648/2004 (Detergents regulation)

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

### **SECTION 16: Other information**

#### SDS versions

Version	Issue date	Author	Description of the amendments
1	11/14/2022		

#### Texts of the regulatory sentences

Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Asp. Tox. 1	Aspiration hazard - Category 1
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
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
H410	Very toxic to aquatic life with long lasting effects
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1	Skin sensitization - Category 1



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Skin Sens. 1B	Skin sensitization - Category 1B
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