

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 22.01.2013







Version number 4

Revision: 22.01.2013

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

- **1.1 Product identifier**
- **Trade name:** CRAFTEX SUPER LEMON CONCENTRATE
- **Article number:** 0021
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** Cleaning industry
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Application of the substance / the preparation** Perfume additive for cleaning solutions
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Craftex Cleaning Systems  
Greenstalls Park, Costello Hill  
Ilchester, Somerset, BA22 8HD
- **Further information obtainable from:** Product safety department.
- **1.4 Emergency telephone number:** 01935 842509

### 2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
-  Xn; Harmful  
R65: Harmful: may cause lung damage if swallowed.
-  Xi; Irritant  
R36/38: Irritating to eyes and skin.
-  Xi; Sensitising  
R43: May cause sensitisation by skin contact.
-  N; Dangerous for the environment  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R10: Flammable.
- **Information concerning particular hazards for human and environment:**  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **2.2 Label elements**
- **Labelling according to EU guidelines:**  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**
-   Xn Harmful  
N Dangerous for the environment
- **Hazard-determining components of labelling:**  
(R)-p-mentha-1,8-diene  
citral  
turpentine, oil  
geraniol  
citronellol
- **Risk phrases:**  
10 Flammable.  
36/38 Irritating to eyes and skin.  
43 May cause sensitisation by skin contact.

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51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
65 Harmful: may cause lung damage if swallowed.

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**Safety phrases:**

- 2 Keep out of the reach of children.
- 13 Keep away from food, drink and animal feedingstuffs.
- 24/25 Avoid contact with skin and eyes.
- 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
- 37 Wear suitable gloves.
- 46 If swallowed, seek medical advice immediately and show this container or label.

**2.3 Other hazards**
**Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

**3.2 Chemical characterization: Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 5989-27-5 EINECS: 227-813-5	(R)-p-mentha-1,8-diene Xi R38; Xi R43; N R50/53 R10 Flam. Liq. 3, H226; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	10-25%
CAS: 5392-40-5 EINECS: 226-394-6	citral Xi R38; Xi R43 Skin Irrit. 2, H315; Skin Sens. 1, H317	10-25%
CAS: 8000-41-7 EINECS: 232-268-1	terpineol Xi R38 Skin Irrit. 2, H315	2.5-10%
CAS: 8006-64-2 EINECS: 232-350-7	turpentine, oil Xn R20/21/22-65; Xi R36/38; Xi R43; N R51/53 R10 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	2.5-10%
CAS: 105-87-3 EINECS: 203-341-5	geranyl acetate N R51/53 Aquatic Chronic 2, H411	2.5-10%
CAS: 78-70-6 EINECS: 201-134-4	linalool Xi R38 Skin Irrit. 2, H315	2.5-10%
CAS: 99-87-6 EINECS: 202-796-7	p-cymene Xn R65; N R51/53 R10 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411	2.5-10%
CAS: 106-24-1 EINECS: 203-377-1	geraniol Xi R38-41; Xi R43 Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317	2.5-10%
CAS: 79-92-5 EINECS: 201-234-8	camphene Xi R36; F R10; N R50/53 Flam. Liq. 3, H226; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Eye Irrit. 2, H319	2.5-10%
CAS: 106-22-9 EINECS: 203-375-0	citronellol Xi R38; Xi R43; N R51/53 Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	2.5-10%
CAS: 150-84-5 EINECS: 205-775-0	citronellyl acetate Xi R38; N R51/53 Aquatic Chronic 2, H411; Skin Irrit. 2, H315	≤ 2.5%
CAS: 124-13-0 EINECS: 204-683-8	octanal Xi R36/38 R10-52/53 Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	≤ 2.5%
	citral Xi R38; F R10 R52/53 Flam. Liq. 3, H226; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	≤ 2.5%

**Regulation (EC) No 648/2004 on detergents / Labelling for contents**

perfumes

≥ 30%

(R)-p-mentha-1,8-diene, CITRAL

5 - 15%

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linalool, geraniol, citronellol

&lt; 5%

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

### 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.

### 5 Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing agents:

 CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

##### For safety reasons unsuitable extinguishing agents:

 Water with full jet

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

 No further relevant information available.

#### 5.3 Advice for firefighters

##### Protective equipment:

 No special measures required.

### 6 Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

#### 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

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.

Do not flush with water or aqueous cleansing agents

#### 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.

### 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:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

#### 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.

#### 7.3 Specific end use(s)

 No further relevant information available.

### 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:

8006-64-2 turpentine, oil

WEL Short-term value: 850 mg/m<sup>3</sup>, 150 ppmLong-term value: 566 mg/m<sup>3</sup>, 100 ppm

#### Additional information:

 The lists valid during the making were used as basis.

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- **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.
- **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.

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

- **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

### 9 Physical and chemical properties

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

##### · General Information

##### · Appearance:

· <b>Form:</b>	Liquid
· <b>Colour:</b>	Gold coloured
· <b>Odour:</b>	Lemon
· <b>Odour threshold:</b>	Not determined.

· **pH-value:** Not determined.

##### · Change in condition

· <b>Melting point/Melting range:</b>	Undetermined.
· <b>Boiling point/Boiling range:</b>	154 °C

· **Flash point:** 46 °C

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 220 °C

· **Decomposition temperature:** Not determined.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

##### · Explosion limits:

· <b>Lower:</b>	0.7 Vol %
· <b>Upper:</b>	6.1 Vol %

· **Vapour pressure at 20 °C:** 2.3 hPa

· **Density:** Not determined.

· **Relative density:** Not determined.

· **Vapour density:** Not determined.

· **Evaporation rate:** Not determined.

##### · Solubility in / Miscibility with

· **water:** Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

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- **Viscosity:**
- **Dynamic:** Not determined.
- **Kinematic:** Not determined.
- **Solvent content:**
- **Organic solvents:** 23.9 %
- **9.2 Other information** No further relevant information available.

### 10 Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

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

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

Oral	LD50	4400 mg/kg (rat)
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**79-92-5 camphene**

Oral	LD50	5000 mg/kg (rat)
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Dermal	LD50	2500 mg/kg (rab)
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**106-22-9 citronellol**

Oral	LD50	3450 mg/kg (rat)
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Dermal	LD50	2650 mg/kg (rabbit)
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- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

### 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 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.

### 13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must not be disposed together with household waste. Do not allow product to reach sewage system.

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

### 14 Transport information

**14.1 UN-Number**
**ADR, IMDG, IATA** UN1169

**14.2 UN proper shipping name**
**ADR** 1169 EXTRACTS, AROMATIC, LIQUID, ENVIRONMENTALLY HAZARDOUS  
**IMDG** EXTRACTS, AROMATIC, LIQUID (CYMENES, DIPENTENE), MARINE POLLUTANT  
**IATA** EXTRACTS, AROMATIC, LIQUID

**14.3 Transport hazard class(es)**
**ADR, IMDG**

**Class** 3 Flammable liquids.  
**Label** 3

**IATA**

**Class** 3 Flammable liquids.  
**Label** 3

**14.4 Packing group**
**ADR, IMDG, IATA** III

**14.5 Environmental hazards:**

Product contains environmentally hazardous substances: (R)-p-mentha-1,8-diene, camphene

**Marine pollutant:**

Yes

**Special marking (ADR):**
Symbol (fish and tree)  
Symbol (fish and tree)
**14.6 Special precautions for user**

Warning: Flammable liquids.

**Danger code (Kemler):**

30

**EMS Number:**

F-E,S-D

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**Transport/Additional information:**
**ADR**
**Limited quantities (LQ)** 5L  
**Transport category** 3  
**Tunnel restriction code** D/E

### 15 Regulatory information

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.  
 H312 Harmful in contact with skin.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.

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- H332 Harmful if inhaled.  
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.
- R10 Flammable.  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R36 Irritating to eyes.  
R36/38 Irritating to eyes and skin.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R43 May cause sensitisation by skin contact.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.

· **Department issuing MSDS:** Product safety department.

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