



TECHNICAL CONCEPTS

# WAKENING SPRING TCELL

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 04/21/2015

Version: 1.0

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

#### 1.1. Product identifier

Product name : WAKENING SPRING TCELL  
Product code : 289144  
SKU # : FG402110

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

Use of the substance/mixture : Air care products  
For professional use only  
Odour agents

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

Rubbermaid Commercial Products LLC  
3124 Valley Avenue  
Winchester, VA 22601-2694 - USA  
T (540) 6678700  
[www.rubbermaidcommercial.com](http://www.rubbermaidcommercial.com)

#### 1.4. Emergency telephone number

Emergency number : 24-Hour Emergency: INFOTRAC: 1-800535-5063

### SECTION 2: Hazards identification

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

##### GHS-US classification

Flam. Liq. 3 H226  
Skin Irrit. 2 H315  
Eye Irrit. 2A H319  
Skin Sens. 1 H317  
Repr. 2 H361  
Asp. Tox. 1 H304

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: 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  
H319 - Causes serious eye irritation  
H361 - Suspected of damaging fertility or the unborn child

Precautionary statements (GHS-US)

: P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking  
P280 - Wear protective gloves  
P301+P310 - If swallowed: Immediately call a doctor  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P331 - Do NOT induce vomiting  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention

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**2.3. Other hazards**

No additional information available

**2.4. Unknown acute toxicity (GHS US)**

Not applicable

**SECTION 3: Composition/information on ingredients**

**3.1. Substance**

Not applicable

**3.2. Mixture**

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| Name                                                         | Product identifier  | %       | GHS-US classification                                                                                                                    |
|--------------------------------------------------------------|---------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------|
| C9-12 ISO-ALKANES                                            | (CAS No) 90622-57-4 | >= 50   | Asp. Tox. 1, H304<br>Flam. Liq. 3, H226                                                                                                  |
| LINALOOL                                                     | (CAS No) 78-70-6    | 1 - 10  | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319                                                                                               |
| 2,6-DIMETHYL-7-OCTEN-2-OL                                    | (CAS No) 18479-58-8 | 1 - 10  | Eye Irrit. 2A, H319                                                                                                                      |
| ISOAMYL ALLYLGLYCOLATE                                       | (CAS No) 67634-00-8 | 1 - 10  | Acute Tox. 4 (Oral), H302                                                                                                                |
| 2,6-DIMETHYL-2-HEPTANOL                                      | (CAS No) 13254-34-7 | 1 - 10  | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319                                                                                               |
| 4-METHYLANISOLE                                              | (CAS No) 104-93-8   | 1 - 10  | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Repr. 2, H361<br>Aquatic Chronic 3, H412                                             |
| LINALYL ACETATE                                              | (CAS No) 115-95-7   | 1 - 10  | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319                                                                                               |
| 3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one | (CAS No) 127-51-5   | 1 - 10  | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411                                              |
| ALPHA-PINENES                                                | (CAS No) 80-56-8    | 1 - 10  | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304                                                     |
| CITRONELLOL                                                  | (CAS No) 106-22-9   | 1 - 10  | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411                                                                     |
| ALPHA-TERPINEOL                                              | (CAS No) 98-55-5    | 1 - 10  | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319                                                                                               |
| LIMONENE                                                     | (CAS No) 5989-27-5  | 0,1 - 1 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| EUGENOL                                                      | (CAS No) 97-53-0    | 0,1 - 1 | Eye Irrit. 2A, H319<br>Skin Sens. 1, H317                                                                                                |
| GERANIOL                                                     | (CAS No) 106-24-1   | 0,1 - 1 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317                                                                            |
| 2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE                    | (CAS No) 68039-49-6 | 0,1 - 1 | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412                                              |
| ISOBUTENYL METHYLTETRAHYDROPYRAN                             | (CAS No) 16409-43-1 | 0,1 - 1 | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Repr. 2, H361<br>Aquatic Chronic 3, H412                                                   |
| CITRAL                                                       | (CAS No) 5392-40-5  | 0,1 - 1 | Skin Irrit. 2, H315<br>Skin Sens. 1, H317                                                                                                |
| TRANS-ROSE KETONE-1                                          | (CAS No) 23726-94-5 | 0,1 - 1 | Acute Tox. 4 (Oral), H302<br>Skin Sens. 1, H317                                                                                          |
| MYRCENE                                                      | (CAS No) 123-35-3   | < 0,1   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Asp. Tox. 1, H304                                                    |
| BETA-CARYOPHYLLENE                                           | (CAS No) 87-44-5    | < 0,1   | Asp. Tox. 1, H304                                                                                                                        |
| L-BETA-PINENE                                                | (CAS No) 18172-67-3 | < 0,1   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304                                                     |
| PINENES                                                      | (CAS No) 127-91-3   | < 0,1   | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304                                                                           |
| GAMMA-TERPINENE                                              | (CAS No) 99-85-4    | < 0,1   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Asp. Tox. 1, H304                                                                           |
| TERPINOLENE                                                  | (CAS No) 586-62-9   | < 0,1   | Aquatic Chronic 2, H411<br>Asp. Tox. 1, H304                                                                                             |
| p-CYMENE                                                     | (CAS No) 99-87-6    | < 0,1   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Aquatic Chronic 2, H411<br>Asp. Tox. 1, H304                                                |

Full text of H-phrases: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- |                                       |                                                                                                                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).                                                                                     |
| First-aid measures after inhalation   | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice. Allow breathing of fresh air. Allow the victim to rest.                               |
| First-aid measures after skin contact | : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Wash with plenty of soap and water. If skin irritation persists, take medical advice. |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.                                      |
| First-aid measures after ingestion    | : Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.                                                             |

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

- |                                      |                                                                |
|--------------------------------------|----------------------------------------------------------------|
| Symptoms/injuries after inhalation   | : May cause an allergic skin reaction.                         |
| Symptoms/injuries after skin contact | : Causes skin irritation. May cause an allergic skin reaction. |
| Symptoms/injuries after eye contact  | : Causes serious eye irritation.                               |
| Symptoms/injuries after ingestion    | : May be fatal if swallowed and enters airways.                |

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- |                                |                                                        |
|--------------------------------|--------------------------------------------------------|
| Suitable extinguishing media   | : Carbon dioxide. Dry powder. Foam. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

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

- |                  |                                                    |
|------------------|----------------------------------------------------|
| Fire hazard      | : Flammable liquid and vapour.                     |
| Explosion hazard | : May form flammable/explosive vapour-air mixture. |
| Reactivity       | : Stable under normal conditions of use.           |

#### 5.3. Advice for firefighters

- |                                |                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.                                                                   |

### SECTION 6: Accidental release measures

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

- |                  |                                                                                                           |
|------------------|-----------------------------------------------------------------------------------------------------------|
| General measures | : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. |
|------------------|-----------------------------------------------------------------------------------------------------------|

##### 6.1.1. For non-emergency personnel

- |                      |                                   |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

##### 6.1.2. For emergency responders

- |                      |                                              |
|----------------------|----------------------------------------------|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area.                            |

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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

- |                         |                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage. |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- |                                   |                                                                             |
|-----------------------------------|-----------------------------------------------------------------------------|
| Additional hazards when processed | : Handle empty containers with care because residual vapours are flammable. |
|-----------------------------------|-----------------------------------------------------------------------------|

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|                               |                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Keep away from sources of ignition - No smoking. Provide good ventilation in process area to prevent formation of vapour. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. |
| Hygiene measures              | : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.                                                                                                                          |

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

|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Technical measures     | : Comply with applicable regulations.                                                                                           |
| Storage conditions     | : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container tightly closed. |
| Incompatible products  | : Strong bases. Strong acids.                                                                                                   |
| Incompatible materials | : Sources of ignition. Direct sunlight. Heat sources.                                                                           |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| WAKENING SPRING TCELL                                                   |                |
|-------------------------------------------------------------------------|----------------|
| ACGIH                                                                   | Not applicable |
| OSHA                                                                    | Not applicable |
| LINALOOL (78-70-6)                                                      |                |
| ACGIH                                                                   | Not applicable |
| OSHA                                                                    | Not applicable |
| 2,6-DIMETHYL-7-OCTEN-2-OL (18479-58-8)                                  |                |
| ACGIH                                                                   | Not applicable |
| OSHA                                                                    | Not applicable |
| ISOAMYL ALLYLGLYCOLATE (67634-00-8)                                     |                |
| ACGIH                                                                   | Not applicable |
| OSHA                                                                    | Not applicable |
| 2,6-DIMETHYL-2-HEPTANOL (13254-34-7)                                    |                |
| ACGIH                                                                   | Not applicable |
| OSHA                                                                    | Not applicable |
| 4-METHYLANISOLE (104-93-8)                                              |                |
| ACGIH                                                                   | Not applicable |
| OSHA                                                                    | Not applicable |
| LINALYL ACETATE (115-95-7)                                              |                |
| ACGIH                                                                   | Not applicable |
| OSHA                                                                    | Not applicable |
| 3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (127-51-5) |                |
| ACGIH                                                                   | Not applicable |
| OSHA                                                                    | Not applicable |
| ALPHA-PINENES (80-56-8)                                                 |                |
| ACGIH                                                                   | Not applicable |
| OSHA                                                                    | Not applicable |
| CITRONELLOL (106-22-9)                                                  |                |
| ACGIH                                                                   | Not applicable |

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|                                                               |                |
|---------------------------------------------------------------|----------------|
| <b>CITRONELLOL (106-22-9)</b>                                 |                |
| OSHA                                                          | Not applicable |
| <b>ALPHA-TERPINEOL (98-55-5)</b>                              |                |
| ACGIH                                                         | Not applicable |
| OSHA                                                          | Not applicable |
| <b>LIMONENE (5989-27-5)</b>                                   |                |
| ACGIH                                                         | Not applicable |
| OSHA                                                          | Not applicable |
| <b>EUGENOL (97-53-0)</b>                                      |                |
| ACGIH                                                         | Not applicable |
| OSHA                                                          | Not applicable |
| <b>GERANIOL (106-24-1)</b>                                    |                |
| ACGIH                                                         | Not applicable |
| OSHA                                                          | Not applicable |
| <b>2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE (68039-49-6)</b> |                |
| ACGIH                                                         | Not applicable |
| OSHA                                                          | Not applicable |
| <b>CITRAL (5392-40-5)</b>                                     |                |
| ACGIH                                                         | Not applicable |
| OSHA                                                          | Not applicable |
| <b>ISOBUTENYL METHYLTETRAHYDROPYRAN (16409-43-1)</b>          |                |
| ACGIH                                                         | Not applicable |
| OSHA                                                          | Not applicable |
| <b>TRANS-ROSE KETONE-1 (23726-94-5)</b>                       |                |
| ACGIH                                                         | Not applicable |
| OSHA                                                          | Not applicable |
| <b>BETA-CARYOPHYLLENE (87-44-5)</b>                           |                |
| ACGIH                                                         | Not applicable |
| OSHA                                                          | Not applicable |
| <b>MYRCENE (123-35-3)</b>                                     |                |
| ACGIH                                                         | Not applicable |
| OSHA                                                          | Not applicable |
| <b>L-BETA-PINENE (18172-67-3)</b>                             |                |
| ACGIH                                                         | Not applicable |
| OSHA                                                          | Not applicable |
| <b>PINENES (127-91-3)</b>                                     |                |
| ACGIH                                                         | Not applicable |
| OSHA                                                          | Not applicable |
| <b>GAMMA-TERPINENE (99-85-4)</b>                              |                |
| ACGIH                                                         | Not applicable |
| OSHA                                                          | Not applicable |

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| p-CYMENE (99-87-6)             |                |
|--------------------------------|----------------|
| ACGIH                          | Not applicable |
| OSHA                           | Not applicable |
| TERPINOLENE (586-62-9)         |                |
| ACGIH                          | Not applicable |
| OSHA                           | Not applicable |
| C9-12 ISO-ALKANES (90622-57-4) |                |
| ACGIH                          | Not applicable |
| OSHA                           | Not applicable |

### 8.2. Exposure controls

|                                  |                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| Appropriate engineering controls | : Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. |
| Personal protective equipment    | : Avoid all unnecessary exposure.                                                                  |
| Hand protection                  | : Wear protective gloves.                                                                          |
| Eye protection                   | : None under normal use.                                                                           |
| Respiratory protection           | : None under normal use.                                                                           |
| Other information                | : Do not eat, drink or smoke during use.                                                           |

## SECTION 9: Physical and chemical properties

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

|                                            |                                 |
|--------------------------------------------|---------------------------------|
| Physical state                             | : Liquid                        |
| Appearance                                 | : Clear Transparent Liquid.     |
| Colour                                     | : colourless to slightly yellow |
| Odour                                      | : characteristic                |
| Odour threshold                            | : No data available             |
| pH                                         | : No data available             |
| Relative evaporation rate (butylacetate=1) | : No data available             |
| Melting point                              | : No data available             |
| Freezing point                             | : No data available             |
| Boiling point                              | : No data available             |
| Flash point                                | : 136 °F (58°C)                 |
| Auto-ignition temperature                  | : No data available             |
| Decomposition temperature                  | : No data available             |
| Flammability (solid, gas)                  | : No data available             |
| Vapour pressure                            | : No data available             |
| Relative vapour density at 20 °C           | : No data available             |
| Relative density                           | : 0,802 - 0,806                 |
| Solubility                                 | : No data available             |
| Log Pow                                    | : No data available             |
| Log Kow                                    | : No data available             |
| Viscosity, kinematic                       | : < 7 mm <sup>2</sup> /s        |
| Viscosity, dynamic                         | : No data available             |
| Explosive properties                       | : No data available             |
| Oxidising properties                       | : No data available             |
| Explosive limits                           | : No data available             |

### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under normal conditions of use.

#### 10.2. Chemical stability

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

#### 10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agent.

#### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Organic compounds. May release flammable gases.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| ISOAMYL ALLYLGLYCOLATE (67634-00-8) |                          |
|-------------------------------------|--------------------------|
| LD50 oral rat                       | 730 mg/kg                |
| ATE US (oral)                       | 730,000 mg/kg bodyweight |

| 4-METHYLANISOLE (104-93-8) |                          |
|----------------------------|--------------------------|
| ATE US (oral)              | 500,000 mg/kg bodyweight |

| 2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE (68039-49-6) |                           |
|--------------------------------------------------------|---------------------------|
| LD50 oral rat                                          | 4000 mg/kg                |
| ATE US (oral)                                          | 4000,000 mg/kg bodyweight |

| TRANS-ROSE KETONE-1 (23726-94-5) |                          |
|----------------------------------|--------------------------|
| ATE US (oral)                    | 500,000 mg/kg bodyweight |

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Based on available data, the classification criteria are not met  
Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging fertility or the unborn child.  
Based on available data, the classification criteria are not met  
Specific target organ toxicity (single exposure) : Not classified

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Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.  
Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.  
Symptoms/injuries after inhalation : May cause an allergic skin reaction.  
Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction.  
Symptoms/injuries after eye contact : Causes serious eye irritation.  
Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

| LINALOOL (78-70-6)             |                                 |
|--------------------------------|---------------------------------|
| LC50 fish 1                    | 27,8 mg/l                       |
| EC50 other aquatic organisms 1 | 88,3 mg/l EC50 waterflea (48 h) |
| EC50 other aquatic organisms 2 | 20 mg/l IC50 alga (72 h) mg/l   |

| ALPHA-PINENES (80-56-8)        |                                 |
|--------------------------------|---------------------------------|
| LC50 fish 1                    | 0,28 mg/l                       |
| EC50 other aquatic organisms 2 | 1,44 mg/l IC50 alga (72 h) mg/l |

| CITRONELLOL (106-22-9)         |                                  |
|--------------------------------|----------------------------------|
| LC50 fish 1                    | 10 mg/l                          |
| EC50 other aquatic organisms 1 | 2,38 mg/l EC50 waterflea (48 h)  |
| EC50 other aquatic organisms 2 | 17,48 mg/l IC50 alga (72 h) mg/l |

| EUGENOL (97-53-0)              |                                 |
|--------------------------------|---------------------------------|
| LC50 fish 1                    | 5,6 mg/l                        |
| EC50 other aquatic organisms 1 | 15,4 mg/l EC50 waterflea (48 h) |
| EC50 other aquatic organisms 2 | 1,9 mg/l IC50 alga (72 h) mg/l  |

| CITRAL (5392-40-5)             |                              |
|--------------------------------|------------------------------|
| LC50 fish 1                    | 4,1 mg/l                     |
| EC50 other aquatic organisms 1 | 5 mg/l EC50 waterflea (48 h) |
| EC50 other aquatic organisms 2 | 7 mg/l IC50 alga (72 h) mg/l |

#### 12.2. Persistence and degradability

| WAKENING SPRING TCELL         |                                                         |
|-------------------------------|---------------------------------------------------------|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

#### 12.3. Bioaccumulative potential

| WAKENING SPRING TCELL     |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on ozone layer :  
Effect on the global warming : No known ecological damage caused by this product.  
Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. Handle empty containers with care because residual vapours are flammable.  
Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

## SECTION 14: Transport information

In accordance with DOT  
Transport document description : UN1169 Extracts, aromatic, liquid, 3, III  
UN-No.(DOT) : UN1169  
Proper Shipping Name (DOT) : Extracts, aromatic, liquid  
Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : III - Minor Danger  
DOT Special Provisions (49 CFR 172.102) : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.  
IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).  
T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / (1 + a (tr - tf))$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.  
DOT Packaging Exceptions (49 CFR 173.xxx) : 150  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 203  
DOT Packaging Bulk (49 CFR 173.xxx) : 242  
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L  
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L  
DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

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### Additional information

Other information : No supplementary information available.

IBC code : Not applicable.

### ADR

Transport document description : UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, (D/E)

Packing group (ADR) : III

Class (ADR) : 3 - Flammable liquid

Hazard identification number (Kemler No.) : 30

Classification code (ADR) : F1

Danger labels (ADR) : 3 - Flammable liquids



Orange plates :

Tunnel restriction code (ADR) : D/E

LQ : 5I

Excepted quantities (ADR) : E1

### Transport by sea

UN-No. (IMDG) : 1169

Proper Shipping Name (IMDG) : EXTRACTS, AROMATIC, LIQUID

Class (IMDG) : 3 - Flammable liquids

Packing group (IMDG) : III - substances presenting low danger

### Air transport

UN-No. (IATA) : 1169

Proper Shipping Name (IATA) : Extracts, aromatic, liquid

Class (IATA) : 3 - Flammable Liquids

Packing group (IATA) : III - Minor Danger

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### LINALOOL (78-70-6)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 2,6-DIMETHYL-7-OCTEN-2-OL (18479-58-8)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### ISOAMYL ALLYLGLYCOLATE (67634-00-8)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 2,6-DIMETHYL-2-HEPTANOL (13254-34-7)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 4-METHYLANISOLE (104-93-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Not listed on the United States SARA Section 313

#### LINALYL ACETATE (115-95-7)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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### 3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (127-51-5)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### ALPHA-PINENES (80-56-8)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### CITRONELLOL (106-22-9)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### ALPHA-TERPINEOL (98-55-5)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### LIMONENE (5989-27-5)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### EUGENOL (97-53-0)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### GERANIOL (106-24-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Not listed on the United States SARA Section 313

### 2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE (68039-49-6)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### CITRAL (5392-40-5)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### ISOBUTENYL METHYLTETRAHYDROPYRAN (16409-43-1)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### TRANS-ROSE KETONE-1 (23726-94-5)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### BETA-CARYOPHYLLENE (87-44-5)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### MYRCENE (123-35-3)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### L-BETA-PINENE (18172-67-3)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### PINENES (127-91-3)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### GAMMA-TERPINENE (99-85-4)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### p-CYMENE (99-87-6)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### TERPINOLENE (586-62-9)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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### C9-12 ISO-ALKANES (90622-57-4)

Not listed on the United States SARA Section 313

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

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

Flam. Liq. 3 H226

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Skin Sens. 1 H317

Asp. Tox. 1 H304

Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

#### 15.2.2. National regulations

### 15.3. US State regulations

### ALPHA-PINENES (80-56-8)

U.S. -New York - RTK list Hazardous Substances

### TERPINOLENE (586-62-9)

U.S. -New York - RTK list Hazardous Substances

## SECTION 16: Other information

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

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### Other information

#### : REACH Disclaimer:

This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. None.

### Full text of H-phrases:

|                     |                                                                   |
|---------------------|-------------------------------------------------------------------|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4                                 |
| 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 |
| Asp. Tox. 1         | Aspiration hazard, Category 1                                     |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2A       | Serious eye damage/eye irritation, Category 2A                    |
| Flam. Liq. 3        | Flammable liquids, Category 3                                     |
| Repr. 2             | Reproductive toxicity, Category 2                                 |
| Skin Irrit. 2       | Skin corrosion/irritation, Category 2                             |
| Skin Sens. 1        | Sensitisation — Skin, category 1                                  |
| 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                                         |
| H319                | Causes serious eye irritation                                     |
| H361                | Suspected of damaging fertility or the unborn child               |
| 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                 |

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*