CITRUS TCELL
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 03/20/2015 Version: 1.0

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

1.1. Product identifier
Product name : CITRUS TCELL
Product code : 289141
SKU # : 1829116

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : Odour agents
Air care products
For professional use only

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

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. 4 H227
Skin Irrit. 2 H315
Skin Sens. 1 H317
Full text of H-phrases: see section 16

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US) : 

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H227 - Combustible liquid
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
Precautionary statements (GHS-US) : P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
P280 - Wear protective gloves
P302+P352 - If on skin: Wash with plenty of water
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention

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
CITRUS TCELL
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>TETRAHYDROLINALOOL</td>
<td>(CAS No) 78-69-3</td>
<td>20 - 50</td>
<td>Skin Irr. 2, H315 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>DECANAL</td>
<td>(CAS No) 112-31-2</td>
<td>10 - 20</td>
<td>Skin Irr. 2, H315 Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>C9-12 ISO-ALKANES</td>
<td>(CAS No) 90622-57-4</td>
<td>1 - 10</td>
<td>Asp. Tox. 1, H304 Flam. Liq. 3, H226</td>
</tr>
<tr>
<td>2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE</td>
<td>(CAS No) 68039-49-6</td>
<td>1 - 10</td>
<td>Skin Irr. 2, H315 Eye Irr. 2A, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>OCTANAL</td>
<td>(CAS No) 124-13-0</td>
<td>1 - 10</td>
<td>Skin Irr. 2, H315 Eye Irr. 2A, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>ETHYL ISOVALERATE</td>
<td>(CAS No) 108-64-5</td>
<td>1 - 10</td>
<td>Flam. Liq. 3, H226 Skin Irr. 2, H315</td>
</tr>
<tr>
<td>CITRONELLOL</td>
<td>(CAS No) 106-22-9</td>
<td>0.1 - 1</td>
<td>Skin Irr. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>CITRAL</td>
<td>(CAS No) 5392-40-5</td>
<td>0.1 - 1</td>
<td>Skin Irr. 2, H315 Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

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: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation persists, take medical advice.
First-aid measures after eye contact: Obtain medical attention if pain, blinking or redness persist. Rinse immediately with plenty of water.
First-aid measures after ingestion: Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries after inhalation: None under normal use. May cause an allergic skin reaction.
Symptoms/injuries after skin contact: Causes skin irritation. May cause an allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Combustible liquid.
Explosion hazard: May form flammable/explosive vapour-air mixture.

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.
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.
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: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Heat sources, Direct sunlight, Ignition sources.
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

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CITRUS TCELL</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>TETRAHYDROLINALOOL (78-69-3)</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>DECANAL (112-31-2)</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>C9-12 ISO-ALKANES (90622-57-4)</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE (68039-49-6)</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>OCTANAL (124-13-0)</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Transparent, clear</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless to slightly yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>63 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>0.885 - 0.889</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available
10.2. Chemical stability
The product is stable at normal handling and storage conditions. Combustible liquid. May form flammable/explosive vapour-air mixture. Not established.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>CITRUS TCELL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>15194.26 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>37500 mg/kg</td>
</tr>
</tbody>
</table>
| ATE US (oral)         | 15194.260 mg/kg
g/kg body weight     |
| ATE US (dermal)       | 37500,000 mg/kg
g/kg body weight     |

<table>
<thead>
<tr>
<th>2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE (68039-49-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>ATE US (oral)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Not classified
Respiratory or skin sensitisation: May cause an allergic skin reaction.
Germ cell mutagenicity: Based on available data, the classification criteria are not met
Carcinogenicity: Not classified
Reproductive toxicity: Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure): Not classified
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard: Not classified
Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation: None under normal use. May cause an allergic skin reaction.
Symptoms/injuries after skin contact: Causes skin irritation. May cause an allergic skin reaction.

SECTION 12: Ecological information

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

<table>
<thead>
<tr>
<th>CITRONELLOL (106-22-9)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>10 mg/l</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>CITRONELLOL (106-22-9)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td>2,38 mg/l EC50 waterflea (48 h)</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 2</td>
<td>17,48 mg/l IC50 algea (72 h) mg/l</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CITRAL (5392-40-5)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>4,1 mg/l</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td>5 mg/l EC50 waterflea (48 h)</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 2</td>
<td>7 mg/l IC50 algea (72 h) mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
CITRUS TCELL
Persistence and degradability May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential
CITRUS TCELL
Bioaccumulative potential Not established.

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Effect on ozone layer : None to our knowledge
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 : Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information
In accordance with DOT
Not regulated for transport

Additional information
Other information : No supplementary information available.

ADR
No additional information available

Transport by sea
UN-No. (IMDG) : -
Proper Shipping Name (IMDG) : -

Air transport
UN-No. (IATA) : -
Proper Shipping Name (IATA) : -

SECTION 15: Regulatory information
15.1. US Federal regulations
TETRAHYDROLINALOOL (78-69-3)
Not listed on the United States SARA Section 313
Listed on the United States TSCA (Toxic Substances Control Act) inventory
### DECANAL (112-31-2)
- Not listed on the United States SARA Section 313
- Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 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

### 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

### OCTANAL (124-13-0)
- Not listed on the United States SARA Section 313
- Listed on the United States TSCA (Toxic Substances Control Act) inventory

### ETHYL ISOPROPYLATE (108-64-5)
- Listed on the United States TSCA (Toxic Substances Control Act) inventory
- Not listed on the United States SARA Section 313

### 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

### CITRAL (5392-40-5)
- Not listed on the United States SARA Section 313
- Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

**CANADA**
- No additional information available

**EU**
- No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**
- Skin Irrit. 2 H315
- Skin Sens. 1 H317
- 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. National regulations

### 15.3. US State regulations

### SECTION 16: Other information

**Data sources**

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:

<table>
<thead>
<tr>
<th>Aquatic Chronic 2</th>
<th>Hazardous to the aquatic environment — Chronic Hazard, Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 3</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation, Category 2A</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
<td>Flammable liquids, Category 3</td>
</tr>
<tr>
<td>Flam. Liq. 4</td>
<td>Flammable liquids, Category 4</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Sensitisation — Skin, category 1</td>
</tr>
<tr>
<td>H226</td>
<td>Flammable liquid and vapour</td>
</tr>
<tr>
<td>H227</td>
<td>Combustible liquid</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

SDS US GHS HazCom 2012 newell

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 therefore be construed as guaranteeing any specific property of the product.