

# SAFETY DATA SHEET

## SCOTT® Continuous Air Freshener Refill - Ocean

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | MSDS Number: | Date of last issue: 12-08-2015  |
| 1.1     | 12-08-2015     | 100000003301 | Date of first issue: 12-08-2015 |

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### SECTION 1. IDENTIFICATION

Product name : SCOTT® Continuous Air Freshener Refill - Ocean

Product code : 91072

#### Manufacturer or supplier's details

Company name of supplier : Kimberly-Clark Corporation

Address : 1400 Holcomb Bridge Road,  
Roswell, GA 30076-2199

Telephone : 1-888-346-6452

Emergency telephone : 1-877-561-6587

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 3

Skin irritation : Category 2

Eye irritation : Category 2A

Skin sensitization : Category 1

Aspiration hazard : Category 1

#### GHS Label element

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H226 Flammable liquid and vapor.  
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.

Precautionary Statements : **Prevention:**  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
P301 + P310 IF SWALLOWED: Immediately call a POISON

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CENTER or doctor/ physician.  
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.  
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.

### Other hazards

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 9 %

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Mixture

### Hazardous ingredients

| Chemical Name                             | CAS-No.    | Concentration (%) |
|-------------------------------------------|------------|-------------------|
| alkanes, C9-12-iso-                       | 90622-57-4 | >= 50 <           |
| Dihydromyrcenol                           | 18479-58-8 | >= 20 - <= 50     |
| decanal                                   | 112-31-2   | >= 1 - < 10       |
| Limonene                                  | 5989-27-5  | >= 1 - < 10       |
| allyl (3-methylbutoxy)acetate             | 67634-00-8 | >= 1 - < 10       |
| Citral                                    | 5392-40-5  | >= 0.1 - < 1      |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | 68039-49-6 | >= 0.1 - < 1      |
| Scentenal                                 | 86803-90-9 | >= 0.1 - <= 1     |

## SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air in case of accidental inhalation of vapors.  
If symptoms persist, call a physician.

In case of skin contact : Wash off with soap and plenty of water.  
Wash contaminated clothing before re-use.  
If symptoms persist, call a physician.

In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If swallowed : Do NOT induce vomiting.

Most important symptoms : No information available.

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and effects, both acute and delayed

Notes to physician : No information available.

### SECTION 5. FIRE-FIGHTING MEASURES

|                                                |                                                                               |
|------------------------------------------------|-------------------------------------------------------------------------------|
| Suitable extinguishing media                   | : Alcohol-resistant foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical |
| Unsuitable extinguishing media                 | : Do NOT use water jet.                                                       |
| Specific hazards during fire fighting          | : Highly flammable liquid and vapor.                                          |
| Hazardous combustion products                  | : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).          |
| Further information                            | : Standard procedure for chemical fires.                                      |
| Special protective equipment for fire-fighters | : In the event of fire, wear self-contained breathing apparatus.              |

### SECTION 6. ACCIDENTAL RELEASE MEASURES

|                                                                     |                                                                   |
|---------------------------------------------------------------------|-------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | : Ensure adequate ventilation.<br>Remove all sources of ignition. |
| Environmental precautions                                           | : Prevent product from entering drains.                           |
| Methods and materials for containment and cleaning up               | : Wipe up with absorbent material (e.g. cloth, fleece).           |

### SECTION 7. HANDLING AND STORAGE

|                                                 |                                                                                  |
|-------------------------------------------------|----------------------------------------------------------------------------------|
| Advice on protection against fire and explosion | : Normal measures for preventive fire protection.                                |
| Advice on safe handling                         | : For personal protection see section 8.<br>No special handling advice required. |
| Conditions for safe storage                     | : Keep container tightly closed in a dry and well-ventilated place.              |
| Materials to avoid                              | : No special restrictions on storage with other products.                        |

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

| Ingredients                     | CAS-No.    | Value type<br>(Form of exposure) | Control parameters / Permissible concentration | Basis     |
|---------------------------------|------------|----------------------------------|------------------------------------------------|-----------|
| orange oil                      | 8008-57-9  | TWA (mist - total)               | 10 mg/m3                                       | NIOSH REL |
|                                 |            | TWA (mist - respirable)          | 5 mg/m3                                        | NIOSH REL |
| Dipropylene glycol methyl ether | 34590-94-8 | TWA                              | 100 ppm                                        | ACGIH     |
|                                 |            | STEL                             | 150 ppm                                        | ACGIH     |
|                                 |            | TWA                              | 100 ppm<br>600 mg/m3                           | OSHA Z-1  |
|                                 |            | TWA                              | 100 ppm<br>600 mg/m3                           | OSHA P0   |
|                                 |            | STEL                             | 150 ppm<br>900 mg/m3                           | OSHA P0   |
|                                 |            | TWA                              | 100 ppm<br>600 mg/m3                           | NIOSH REL |
|                                 |            | ST                               | 150 ppm<br>900 mg/m3                           | NIOSH REL |

#### Hazardous components without workplace control parameters

| Ingredients                               | CAS-No.    |
|-------------------------------------------|------------|
| Dihydromyrcenol                           | 18479-58-8 |
| decanal                                   | 112-31-2   |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde | 68039-49-6 |
| Citral                                    | 5392-40-5  |
| Octanal                                   | 124-13-0   |

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Not required under normal use.

Skin and body protection : not required under normal use

Protective measures : No special protective equipment required.

Hygiene measures : General industrial hygiene practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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|                  |                                        |
|------------------|----------------------------------------|
| Appearance       | : liquid<br>liquid                     |
| Color            | : colorless<br>clear                   |
| Odor             | : pleasant<br>pleasant                 |
| Flash point      | : 63 °C<br>57 °C                       |
| Relative density | : 0.885 - 0.889 (20 °C)<br>0.766 - 0.8 |

### SECTION 10. STABILITY AND REACTIVITY

|                                    |                                                       |
|------------------------------------|-------------------------------------------------------|
| Reactivity                         | : Stable under recommended storage conditions.        |
| Chemical stability                 | : No decomposition if stored and applied as directed. |
| Possibility of hazardous reactions | : No hazards to be specially mentioned.               |
| Conditions to avoid                | : Heat.                                               |
| Incompatible materials             | : Strong acids and oxidizing agents                   |
| Hazardous decomposition products   | : Stable under recommended storage conditions.        |

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### **Product:**

|                     |                                                                      |
|---------------------|----------------------------------------------------------------------|
| Acute oral toxicity | : Acute toxicity estimate: 4,064 mg/kg<br>Method: Calculation method |
|---------------------|----------------------------------------------------------------------|

##### **Ingredients:**

##### **Dihydromyrcenol:**

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Acute oral toxicity   | : LD50 Oral (Rat, male and female): 4,100 mg/kg |
| Acute dermal toxicity | : LD50 Dermal (Rabbit): > 5,000 mg/kg           |

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### **Limonene:**

Acute oral toxicity : LD50 Oral (Rat, female): > 2,000 mg/kg  
Method: OECD Test Guideline 423  
GLP: yes

### **Citral:**

Acute oral toxicity : LD50 Oral (Rat, male and female): 6,800 mg/kg  
Acute dermal toxicity : LD50 Dermal (Rat, male and female): > 2,000 mg/kg

### **Skin corrosion/irritation**

#### **Product:**

Remarks: Moderate skin irritation

#### **Ingredients:**

##### **Dihydromyrcenol:**

Species: Rabbit  
Result: Irritating to skin.

##### **decanal:**

Species: Rabbit  
Result: No skin irritation

##### **Limonene:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation  
GLP: yes

##### **Citral:**

Assessment: Irritating to skin.

##### **2,4-dimethylcyclohex-3-ene-1-carbaldehyde:**

Assessment: Irritating to skin.

### **Serious eye damage/eye irritation**

#### **Product:**

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

#### **Ingredients:**

##### **Dihydromyrcenol:**

Species: Rabbit  
Result: Moderate eye irritation

##### **decanal:**

Species: Rabbit  
Result: Eye irritation

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### **Limonene:**

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

GLP: yes

### **Citral:**

Result: Eye irritation

### **2,4-dimethylcyclohex-3-ene-1-carbaldehyde:**

Assessment: Irritating to eyes.

## **Respiratory or skin sensitization**

### **Ingredients:**

#### **Dihydromyrcenol:**

Species: Mouse

Result: Did not cause sensitization on laboratory animals.

#### **decanal:**

Species: Humans

Result: Does not cause skin sensitization.

#### **Limonene:**

Species: Mouse

Method: OECD Test Guideline 429

Result: The product is a skin sensitizer, sub-category 1B.

GLP: yes

#### **Citral:**

Result: The product is a skin sensitizer, sub-category 1B.

### **2,4-dimethylcyclohex-3-ene-1-carbaldehyde:**

Assessment: The product is a skin sensitizer, sub-category 1B.

## **Carcinogenicity**

### **IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### **OSHA**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### **NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## **Aspiration toxicity**

### **Product:**

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The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

### **Ingredients:**

#### **alkanes, C9-12-iso-:**

May be fatal if swallowed and enters airways.

#### **Limonene:**

May be fatal if swallowed and enters airways.

### **Further information**

#### **Product:**

Remarks: No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Product:**

Toxicity to fish :  
Remarks: No information available.

Toxicity to daphnia and other aquatic invertebrates :  
Remarks: No information available.

Toxicity to algae :  
Remarks: No information available.

### **Ingredients:**

#### **Dihydromyrcenol:**

Toxicity to fish : LC50: 27.8 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50: 38 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50: 80 mg/l  
Exposure time: 72 h

#### **decanal:**

Toxicity to fish : LC50: 2.1 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50: 1.94 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50: 4.5 mg/l  
Exposure time: 72 h

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Ecotoxicology Assessment  
Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

### **Limone:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 0.720 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.36 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 8 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
GLP: yes

### **Citral:**

Toxicity to fish : LC50: 6.78 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 6.8 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50: 6.8 mg/l  
Exposure time: 48 h

### **2,4-dimethylcyclohex-3-ene-1-carbaldehyde:**

Ecotoxicology Assessment  
Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

## **Persistence and degradability**

### **Product:**

Biodegradability : Remarks: No information available.

### **Ingredients:**

#### **Dihydromyrcenol:**

Biodegradability : Result: Readily biodegradable.

#### **decanal:**

Biodegradability : Result: Readily biodegradable.

#### **Citral:**

Biodegradability : Result: Readily biodegradable.

## **Bioaccumulative potential**

### **Product:**

Bioaccumulation : Remarks: Does not bioaccumulate.

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### **Ingredients:**

#### **Dihydromyrcenol:**

Partition coefficient: n-octanol/water : log Pow: 3.25

#### **decanal:**

Partition coefficient: n-octanol/water : log Pow: 3.760

#### **Limonene:**

Partition coefficient: n-octanol/water : log Pow: 4.38

### **Mobility in soil**

#### **Product:**

Mobility : Remarks: No information available.

### **Other adverse effects**

#### **Product:**

Results of PBT and vPvB assessment : Remarks: Based on available data, the classification criteria are not met

Additional ecological information : There is no data available for this product.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.  
Do not re-use empty containers.

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## SECTION 14. TRANSPORT INFORMATION

### **International Regulation**

#### **IATA-DGR**

UN/ID No. : UN 1169  
Proper shipping name : EXTRACTS, AROMATIC, LIQUID  
Class : 3  
Packing group : III

#### **IMDG-Code**

UN number : UN 1169  
Proper shipping name : EXTRACTS, AROMATIC, LIQUID

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|                  |       |
|------------------|-------|
| Class            | : 3   |
| Packing group    | : III |
| Marine pollutant | : no  |

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Domestic regulation

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

### Massachusetts Right To Know

|                                 |            |         |
|---------------------------------|------------|---------|
| Dipropylene glycol methyl ether | 34590-94-8 | 1 - 5 % |
| Octanal                         | 124-13-0   | 1 - 5 % |

### Pennsylvania Right To Know

|                                                    |            |            |
|----------------------------------------------------|------------|------------|
| alkanes, C9-12-iso-                                | 90622-57-4 | 90 - 100 % |
| Dihydromyrcenol                                    | 18479-58-8 | 90 - 100 % |
| orange oil                                         | 8008-57-9  | 10 - 20 %  |
| allyl (3-methylbutoxy)acetate                      | 67634-00-8 | 5 - 10 %   |
| decanal                                            | 112-31-2   | 5 - 10 %   |
| exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acetate | 125-12-2   | 5 - 10 %   |
| Dipropylene glycol methyl ether                    | 34590-94-8 | 1 - 5 %    |

### New Jersey Right To Know

|                               |            |            |
|-------------------------------|------------|------------|
| alkanes, C9-12-iso-           | 90622-57-4 | 90 - 100 % |
| Dihydromyrcenol               | 18479-58-8 | 90 - 100 % |
| orange oil                    | 8008-57-9  | 10 - 20 %  |
| allyl (3-methylbutoxy)acetate | 67634-00-8 | 5 - 10 %   |

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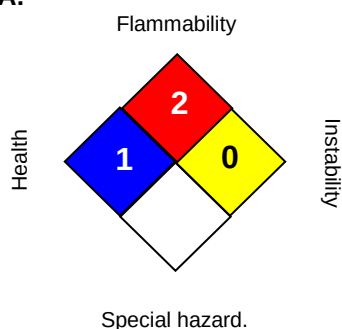
|                                                    |            |          |
|----------------------------------------------------|------------|----------|
| decanal                                            | 112-31-2   | 5 - 10 % |
| exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acetate | 125-12-2   | 5 - 10 % |
| Dipropylene glycol methyl ether                    | 34590-94-8 | 1 - 5 %  |

**California Prop 65** : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### SECTION 16. OTHER INFORMATION

#### Further information

##### NFPA:



##### HMIS III:

|                 |   |
|-----------------|---|
| HEALTH          | 3 |
| FLAMMABILITY    | 2 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Revision Date : 12-08-2015

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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