

SAFETY DATA SHEET

SCOTT® Continuous Air Freshener Refill - Ocean

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

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

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
Carbon dioxide (CO₂)
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.
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.
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 (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 600 mg/m3	OSHA Z-1
		TWA	100 ppm 600 mg/m3	OSHA P0
		STEL	150 ppm 900 mg/m3	OSHA P0
		TWA	100 ppm 600 mg/m3	NIOSH REL
		ST	150 ppm 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 liquid
Color	: colorless clear
Odor	: pleasant pleasant
Flash point	: 63 °C 57 °C
Relative density	: 0.885 - 0.889 (20 °C) 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 Method: Calculation method
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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

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.

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.

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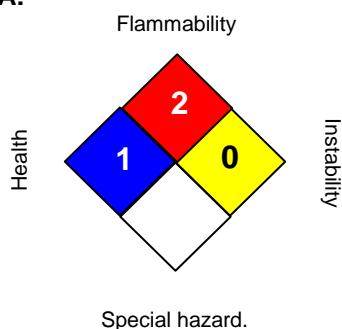
decanal	112-31-2	5 - 10 %
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acetate	125-12-2	5 - 10 %
Dipropylene glycol methyl ether	34590-94-8	1 - 5 %

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

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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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