

# SAFETY DATA SHEET



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Version 2.02

## 1. IDENTIFICATION

**Product Name** Febreze Set & Refresh - Linen & Sky

**Product Identifier** 99404784\_RET\_NG

**Product Type:** Finished Product - Consumer (Retail) Use Only

**Recommended Use** Air freshener.

**Restrictions on Use** Use only as directed on label.

**Synonyms** 99363471

**Manufacturer** PROCTER & GAMBLE - Fabric and Home Care Division  
Ivorydale Technical Centre  
5289 Spring Grove Avenue  
Cincinnati, Ohio 45217-1087 USA

Procter & Gamble Inc.  
P.O. Box 355, Station A  
Toronto, ON M5W 1C5  
1-800-331-3774

**E-mail Address** pgsds.im@pg.com

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CHEMTREC - 1-800-424-9300  
(U.S./ Canada) or 1-703-527-3887  
Mexico toll free in country: 800-681-9531

## 2. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

**This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:**

### Hazard Category

**Skin corrosion/irritation** Category 2  
**Eye Damage / Irritation** Category 2A  
**Skin sensitization** Category 1  
**Flammable Liquids** Category 4

**Signal Word** WARNING

**Hazard Statements** Causes serious eye irritation  
Causes skin irritation  
May cause an allergic skin reaction

Combustible liquid

## Hazard pictograms



## Precautionary Statements

Wash hands thoroughly after handling  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed

## Precautionary Statements - Response

IF IN EYES: 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  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.  
 Drink 1 or 2 glasses of water  
 IF ON SKIN: Wash with plenty of soap and water  
 Take off contaminated clothing and wash before re-use  
 If skin irritation or rash occurs: Get medical advice/attention  
 In case of fire: Use water, CO<sub>2</sub>, dry chemical, or foam for extinction

## Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

## Precautionary Statements - Disposal

None

## Hazards not otherwise classified (HNOC)

None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight %
2,6-Dimethyl-7-Octen-2-ol	2,6-Dimethyl-7-octen-2-ol	No	18479-58-8	10 - 15
Linalool	1,6-Octadien-3-ol, 3,7-dimethyl-	No	78-70-6	5 - 10
4-tert-Butylcyclohexyl acetate	Cyclohexanol, 4-(1,1-dimethylethyl)-, 1-acetate	No	32210-23-4	1 - 5
Citronellyl acetate	6-Octen-1-ol, 3,7-dimethyl-, 1-acetate	No	150-84-5	1 - 5
Benzyl Acetate	Acetic acid, phenylmethyl ester	No	140-11-4	1 - 5
Dimentol	2-Heptanol, 2,6-dimethyl-	No	13254-34-7	1 - 5
Ethyl Linalool	1,6-Nonadien-3-ol, 3,7-dimethyl-	No	10339-55-6	1 - 5
3,7-Dimethyloctan-3-ol	3-Octanol, 3,7-dimethyl-	No	78-69-3	1 - 5
Cyclamen Aldehyde	Cyclamen Aldehyde	No	103-95-7	1 - 5
Isobutyl Methyl Tetrahydropyranol	2H-Pyran-4-ol, tetrahydro-4-methyl-2-(2- methylpropyl)-	No	63500-71-0	1 - 5
Linalyl acetate	1,6-Octadien-3-ol, 3,7-dimethyl-, 3-acetate	No	115-95-7	1 - 5
Geranyl acetate	2,6-Octadien-1-ol, 3,7-dimethyl-, 1-acetate,	No	105-87-3	1 - 5

	(2E)-			
Terpineol	Terpineol	No	8000-41-7	1 - 5
Isoamyl Allylglycolate	Allyl Amyl Glycolate	No	67634-00-8	1 - 5
Alpha-Isomethyl Ionone	3-Buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-	No	127-51-5	1 - 5
Methyl 2-Naphthyl Ether	beta-Naphthyl Methyl Ether	No	93-04-9	0.5 - 1.5
Coumarin	2H-1-Benzopyran-2-one	No	91-64-5	0.5 - 1.5
Heliotropine	1,3-Benzodioxole-5-carboxaldehyde	No	120-57-0	0.5 - 1.5
Citral	2,6-Octadienal, 3,7-dimethyl-	No	5392-40-5	0.5 - 1.5
Carvone	L-Carvone	No	6485-40-1	0.5 - 1.5
Isocyclocitral	Isocyclocitral	No	1335-66-6	0.5 - 1.5
Ethyl Isopropyl-Bicycloheptene-2-carboxylate	Herbanate Cl	No	116044-44-1	0.5 - 1.5
2-Methylundecanal	Undecanal, 2-methyl-	No	110-41-8	0.1 - 1.0
Tetramethyl Acetyloctahydronaphthalenes	Tetramethyl Acetyloctahydronaphthalenes	No	54464-57-2	0.1 - 1.0
Isoeugenol	Phenol, 2-methoxy-4-(1-propen-1-yl)-	No	97-54-1	0.1 - 1.0
Terpene Hydrocarbons	Hydrocarbons, terpene processing by-products	No	68956-56-9	0.1 - 1.0
6-Methoxy-2,6-Dimethylheptanal	Heptanal, 6-methoxy-2,6-dimethyl-	No	62439-41-2	0.1 - 1.0
Dihydromyrcene	Dihydromyrcene	No	2436-90-0	0.1 - 1.0

#### 4. FIRST AID MEASURES

##### First aid measures for different exposure routes

<b>Eye contact</b>	Rinse with plenty of water. Get medical attention immediately if irritation persists.
<b>Skin contact</b>	Rinse with plenty of water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Most important symptoms/effects, acute and delayed</b>	None under normal use conditions.

##### Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to Physician</b>	Treat symptomatically.
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#### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	In case of fire: Use water, CO2, dry chemical, or foam for extinction.
<b>Unsuitable Extinguishing Media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Special hazard</b>	Combustible liquid.

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Specific hazards arising from the chemical** None.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

**Advice for emergency responders** Use personal protective equipment as required.

### Methods and materials for containment and cleaning up

**Methods for containment** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Keep away from open flames, hot surfaces and sources of ignition. Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store in a cool/low-temperature, well-ventilated, dry place away from heat and ignition sources.

**Incompatible products** None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
Benzyl Acetate	140-11-4	TWA: 10 ppm		
Citral	5392-40-5	TWA: 5 ppm inhalable fraction and vapor S*		

Chemical Name	CAS-No	Alberta	Quebec	Ontario TWAEV	British Columbia
Benzyl Acetate	140-11-4	TWA: 10 ppm TWA: 61 mg/m <sup>3</sup>		TWA: 10 ppm	TWA: 10 ppm
Citral	5392-40-5			TWA: 5 ppm Skin	

No relevant exposure guidelines for other ingredients

### Exposure controls

**Engineering Measures** Distribution, Workplace and Household Settings:

Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

**Personal Protective Equipment**

**Eye Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Use appropriate eye protection

**Hand Protection**

**Distribution, Workplace and Household Settings:**  
For sensitive skin or prolonged use, wear gloves

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Protective gloves

**Skin and Body Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Wear suitable protective clothing

**Respiratory Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
In case of inadequate ventilation wear respiratory protection

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State @20°C</b>	Liquid
<b>Appearance</b>	Clear to amber
<b>Odor</b>	Scented
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Note</u>
<b>pH value</b>	No information available	
<b>Melting/freezing point</b>	No information available	
<b>Boiling point/boiling range</b>	No information available	
<b>Flash point</b>	82 °C / 179 °F	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No information available	
<b>Lower Flammability Limit</b>	No information available	
<b>Vapor pressure</b>	< 2mm Hg	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	No information available	
<b>Water solubility</b>	Not soluble	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	No information available	.
<b>Decomposition temperature</b>	No information available	.
<b>Viscosity of Product</b>	No information available	
<b>VOC Content (%)</b>	Products comply with US state and federal regulations for VOC content in consumer products.	

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	None under normal use conditions.
<b>Stability</b>	Stable under normal conditions.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous Reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	Keep away from open flames, hot surfaces and sources of ignition.
<b>Materials to avoid</b>	None in particular.
<b>Hazardous Decomposition Products</b>	None under normal use conditions.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Information on likely routes of exposure

<b>Inhalation</b>	No known effect.
<b>Skin contact</b>	Irritating to skin. May cause sensitization by skin contact.
<b>Ingestion</b>	No known effect.
<b>Eye contact</b>	Causes serious eye irritation.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Acute toxicity</b>	No known effect.
<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Skin sensitization</b>	May cause sensitization by skin contact.
<b>Respiratory sensitization</b>	No known effect.
<b>Germ cell mutagenicity</b>	No known effect.
<b>Neurological Effects</b>	No known effect.
<b>Reproductive toxicity</b>	No known effect.
<b>Developmental toxicity</b>	No known effect.
<b>Teratogenicity</b>	No known effect.
<b>STOT - single exposure</b>	No known effect.
<b>STOT - repeated exposure</b>	No known effect.
<b>Target Organ Effects</b>	No known effect.
<b>Aspiration hazard</b>	No known effect.
<b>Carcinogenicity</b>	No known effect.

### Component Information

Chemical Name	CAS-No	Oral LD50	Dermal LD50	Inhalation LC50
Isoamyl Allylglycolate	67634-00-8	730 mg/kg (rat)	-	-
Coumarin	91-64-5	500 mg/kg (rat)	-	-
Methyl 2-Naphthyl Ether	93-04-9	1736 mg/kg (rat)	-	-
Isoeugenol	97-54-1	1500 mg/kg (rat)	1900 mg/kg (rabbit)	-

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Hazardous to the Aquatic Environment.

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

**Mobility** No information available.

**Other adverse effects** No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment

**Waste from Residues / Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Codes (non-household setting)** 331

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

#### IMDG

**UN Number** UN3082  
**UN Proper shipping name** Environmentally hazardous substances, liquid, n.o.s.  
**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s. (gamma-Undecalactone, 4-tert-Butylcyclohexyl acetate), 9, III, Ltd. Qty.  
**Transport hazard class(es)** 9  
**Packing Group** III  
**Special precautions for user** 274, 335  
**EmS-No** F-A, S-F  
**IMDG Comment** Product is not regulated for transport by vessel in retail packaging per IMDG 2.10.2.7. The shipper is responsible for identifying any exemptions, including Limited Quantity, that may apply based on package size.

#### IATA

**UN no** UN3082  
**UN Proper shipping name** Environmentally hazardous substance, liquid, n.o.s.  
**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s. (gamma-Undecalactone, 4-tert-Butylcyclohexyl acetate), 9, III, Ltd. Qty.  
**Hazard Class** 9  
**Packing Group** III  
**ERG Code** 9L  
**Special precautions for user** A97, A158  
**IATA comment** Product is not regulated for transport by air in retail packaging per IATA Special Provision A197. The shipper is responsible for identifying any exemptions, including Limited Quantity, that may apply based on package size.

### 15. REGULATORY INFORMATION

#### U.S. Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**California Proposition 65**

This product is not subject to warning labeling under California Proposition 65.

**U.S. State Regulations (RTK)**

Chemical Name	CAS-No	New Jersey
Benzyl Acetate	140-11-4	X

**International Inventories****United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

**Canada**

This product is in compliance with CEPA for import by P&G.

**Legend**

United States Toxic Substances Control Act Section 8(b) Inventory (TSCA)

**CEPA** - Canadian Environmental Protection Act

**16. OTHER INFORMATION**

**Issuing Date:** 31-May-2016

**Revision Date:** 31-May-2016

**Disclaimer**

The information provided in this 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

**End of SDS**