# SAFETY DATA SHEET

**Issuing Date:** 25-Jan-2018 **Revision Date:** 25-Jan-2018 **Version** 1

## 1. IDENTIFICATION

| | |
|---|---|
| **Product Name** | Febreze PLUGS Linen & Sky (2 of 2) |
| **Product Identifier** | 91598021_A_RET_NG |
| **Product Type:** | Finished Product - Consumer (Retail) Use Only |
| **Recommended Use** | Air freshener. |
| **Restrictions on Use** | Use only as directed on label. |
| **Synonyms** | 91258034 |
| **Details of the supplier of the safety data sheet** | PROCTER & GAMBLE - Fabric and Home Care Division<br>Ivorydale Technical Centre<br>5289 Spring Grove Avenue<br>Cincinnati, Ohio 45217-1087 USA<br><br>Procter & Gamble Inc.<br>P.O. Box 355, Station A<br>Toronto, ON M5W 1C5<br>1-800-331-3774 |
| **E-mail Address** | pgsds.im@pg.com |
| **Emergency Telephone** | Transportation (24 HR)<br>CHEMTREC - 1-800-424-9300<br>(U.S./ Canada) or 1-703-527-3887<br>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 classifed under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.**

| **Hazard Category** | |
|---|---|
| **Skin corrosion/irritation** | Category 2 |
| **Eye Damage / Irritation** | Category 2 |
| **Skin sensitization** | Category 1 |

**Signal Word** WARNING

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

**Hazard pictograms**



**Precautionary Statements** Wash hands thoroughly after handling

**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

**Precautionary Statements - Storage** None

**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-% |
|---|---|---|---|---|
| Linalool | 1,6-Octadien-3-ol, 3,7-dimethyl- | No | 78-70-6 | 15 - 20 |
| PPG-2 Methyl Ether | PPG-2 Methyl Ether | No | 34590-94-8 | 10 - 15 |
| 2,6-Dimethyl-7-Octen-2-ol | 2,6-Dimethyl-7-octen-2-ol | No | 18479-58-8 | 10 - 15 |
| Isobutyl Methyl Tetrahydropyranol | 2H-Pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)- | No | 63500-71-0 | 5 - 10 |
| Benzyl Acetate | Acetic acid, phenylmethyl ester | No | 140-11-4 | 1 - 5 |
| Linalyl acetate | 1,6-Octadien-3-ol, 3,7-dimethyl-, 3-acetate | No | 115-95-7 | 1 - 5 |
| Cyclamen Aldehyde | Cyclamen Aldehyde | No | 103-95-7 | 1 - 5 |
| Limonene | D-Limonene | No | 5989-27-5 | 0.5 - 1.5 |
| Hydroxycitronellal | Octanal, 7-hydroxy-3,7-dimethyl- | No | 107-75-5 | 0.5 - 1.5 |
| Pentamethylheptenone | 3,4,5,6,6-Pentamethylhept-3-en-2-one | No | 81786-74-5 | 0.5 - 1.5 |
| Alpha-Isomethyl Ionone | 3-Buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)- | No | 127-51-5 | 0.5 - 1.5 |
| Pentamethyl Octahydroindenodioxane | Indeno[4,5-d]-1,3-dioxin, 4,4a,5,6,7,8,9,9b-octahydro-7,7,8,9,9-pentamethyl- | No | 365411-50-3 | 0.1 - 1.0 |
| Methylenedioxyphenyl Methylpropanal | Helional | No | 1205-17-0 | 0.1 - 1.0 |
| 2,4-Dimethyl-3-Cyclohexene Carboxaldehyde | 3-Cyclohexene-1-carboxaldehyde, 2,4-dimethyl- | No | 68039-49-6 | 0.1 - 1.0 |
| Lauraldehyde | Dodecanal | No | 112-54-9 | 0.1 - 1.0 |

| | | | | |
|---|---|---|---|---|
| Heliotropine | 1,3-Benzodioxole-5-carboxaldehyde | No | 120-57-0 | 0.1 - 1.0 |
| Citronellol | 6-Octen-1-ol, 3,7-dimethyl- | No | 106-22-9 | 0.1 - 1.0 |
| beta-Pinene | beta-Pinene | No | 127-91-3 | 0.1 - 1.0 |

**Additional information** Actual substance concentrations fall within the ranges stated. Maximum values do not necessarily represent the values present in the formula

## 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

**Eye contact** Rinse with plenty of water. Get medical attention immediately if irritation persists.

**Skin contact** Rinse with plenty of water. Get medical attention if irritation develops and persists.

**Ingestion** Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Most important symptoms/effects, acute and delayed** None under normal use conditions.

**F. Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Dry chemical, $CO_2$, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media** None.

**Special hazard** None known.

**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** 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** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines** .

| Chemical Name | CAS-No | ACGIH TLV | OSHA PEL | Mexico PEL |
|---|---|---|---|---|
| PPG-2 Methyl Ether | 34590-94-8 | STEL: 150 ppm<br>TWA: 100 ppm<br>S* | TWA: 100 ppm<br>TWA: 600 mg/m$^3$<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 600 mg/m$^3$<br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 900 mg/m$^3$<br>(vacated) S*<br>S* | Mexico: TWA 100 ppm<br>Mexico: TWA 60 mg/m$^3$<br>Mexico: STEL 150 ppm<br>Mexico: STEL 900 mg/m$^3$ |
| Benzyl Acetate | 140-11-4 | TWA: 10 ppm | | |
| beta-Pinene | 127-91-3 | TWA: 20 ppm | | |

| Chemical Name | CAS-No | Alberta | Quebec | Ontario TWAEV | British Columbia |
|---|---|---|---|---|---|
| PPG-2 Methyl Ether | 34590-94-8 | TWA: 100 ppm<br>TWA: 606 mg/m$^3$<br>STEL: 150 ppm<br>STEL: 909 mg/m$^3$<br>Skin | TWA: 100 ppm<br>TWA: 606 mg/m$^3$<br>STEL: 150 ppm<br>STEL: 909 mg/m$^3$<br>Skin | TWA: 100 ppm<br>STEL: 150 ppm<br>Skin | TWA: 100 ppm<br>STEL: 150 ppm<br>Skin |
| Benzyl Acetate | 140-11-4 | TWA: 10 ppm<br>TWA: 61 mg/m$^3$ | | TWA: 10 ppm | TWA: 10 ppm |
| beta-Pinene | 127-91-3 | TWA: 20 ppm<br>TWA: 111 mg/m$^3$ | TWA: 20 ppm<br>TWA: 112 mg/m$^3$ | TWA: 20 ppm | TWA: 20 ppm<br>Dermal Sensitizer |

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

| | |
|---|---|
| **Physical State @20°C** | Liquid |
| **Appearance** | colorless Pale Yellow |
| **Odor** | characteristic |
| **Odor threshold** | No information available |

| Property | Values | Note |
|---|---|---|
| **pH value** | Not determined | |
| **Melting/freezing point** | No information available | |
| **Boiling point / boiling range** | No information available | |
| **Flash point** | 79 °C / 174.2 °F | Closed cup. Does not sustain combustion. |
| **Evaporation rate** | No information available | |
| **Flammability (solid, gas)** | No information available | |
| **Flammability Limits in Air** | | |
| **Upper flammability limit** | No information available | |
| **Lower Flammability Limit** | No information available | |
| **Vapor pressure** | No information available | |
| **Vapor density** | No information available | |
| **Relative density** | No information available | |
| **Water solubility** | No information available | |
| **Partition coefficient: n-octanol/water** | No information available | |
| **Autoignition temperature** | No information available | . |
| **Decomposition temperature** | No information available | . |
| **Viscosity** | No information available | |
| **VOC Content (%)** | Products comply with US state and federal regulations for VOC content in consumer products. | |

## 10. STABILITY AND REACTIVITY

**Reactivity** None under normal use conditions.

**Stability** Stable under normal conditions.

**Hazardous polymerization** Hazardous polymerization does not occur.

**Hazardous Reactions** None under normal processing.

**Conditions to Avoid** None under normal processing.

**Incompatible materials** None in particular.

**Hazardous Decomposition Products** None under normal use conditions.

## 11. TOXICOLOGICAL INFORMATION

**Product Information**

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | No known effect. |
| **Skin contact** | Irritating to skin. May cause sensitization by skin contact. |
| **Ingestion** | No known effect. |
| **Eye contact** | Causes serious eye irritation. |

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

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

**Component Information**

| Chemical Name | CAS-No | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|---|
| Linalool | 78-70-6 | 2790 mg/kg bodyweight (rat) | - | - |
| Cyclamen Aldehyde | 103-95-7 | 3810 mg/kg bodyweight (rat) | - | - |
| Heliotropine | 120-57-0 | 2700 mg/kg bodyweight (rat) | - | - |
| Citronellol | 106-22-9 | 3450 mg/kg bodyweight (rat) | 2650 mg/kg bodyweight (rabbit) | - |

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The product is not expected to be hazardous to the 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 methods**

| | |
|---|---|
| **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** Not regulated

**IATA** Not regulated

## 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, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):.

| Chemical Name | CAS-No | Hazardous Substances RQs | Extremely Hazardous Substances RQs | CERCLA/SARA 302 TPQ |
|---|---|---|---|---|
| Isoamyl Acetate | 123-92-2 | 5000 lb | - | |

**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 contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):.

| Chemical Name | CAS-No | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|---|---|---|---|---|
| Isoamyl Acetate | 123-92-2 | - | - | - | X |

**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 |
|---|---|---|
| PPG-2 Methyl Ether | 34590-94-8 | X |
| Benzyl Acetate | 140-11-4 | X |

| Chemical Name | CAS-No | Massachusetts |
|---|---|---|
| PPG-2 Methyl Ether | 34590-94-8 | X |

| Chemical Name | CAS-No | Pennsylvania |
|---|---|---|
| PPG-2 Methyl Ether | 34590-94-8 | X |
| Isoamyl Acetate | 123-92-2 | 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:** 25-Jan-2018
**Revision Date:** 25-Jan-2018
**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**