

# SAFETY DATA SHEET



Issuing Date: 09-Mar-2020

Revision date 26-Apr-2021

Revision Number 2

## 1. IDENTIFICATION

**Product Name** Febreze PLUG Air Freshener – Winter Spruce

**Product Identifier** 90907878\_RET\_NG

**Product Type:** Finished Product - Retail

**Recommended Use** Air freshener.

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

**Synonyms** 91740728

**Details of the supplier of the safety data sheet** 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

**Emergency Telephone** Transportation (24 HR)  
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**

<b>Skin corrosion/irritation</b>	Category 2
<b>Eye Damage / Irritation</b>	Category 2
<b>Skin sensitization</b>	Category 1
<b>Flammable liquids</b>	Category 4
<b>Signal word</b>	Warning

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

Physical hazards  
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 water and soap  
 Take off contaminated clothing and wash before reuse  
 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

### 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-%
PPG-2 Methyl Ether	PPG-2 Methyl Ether	No	34590-94-8	15 - 20
Cedarwood oil, Texas	Cedarwood Oil, Texas	No	68990-83-0	5 - 10
Hexyl acetate	Acetic acid, hexyl ester	No	142-92-7	5 - 10
4-tert-Butylcyclohexyl acetate	Cyclohexanol, 4-(1,1-dimethylethyl)-, 1-acetate	No	32210-23-4	5 - 10
Cyclamen Aldehyde	Cyclamen Aldehyde	No	103-95-7	1 - 5
Eugenol	Phenol, 2-methoxy-4-(2-propen-1-yl)-	No	97-53-0	1 - 5
2,4-Dimethyl-3-Cyclohexene Carboxaldehyde	3-Cyclohexene-1-carboxaldehyde, 2,4-dimethyl-	No	68039-49-6	1 - 5
Benzyl salicylate	Benzoic acid, 2-hydroxy-, phenylmethyl ester	No	118-58-1	0.5 - 1.5
Citrus Aurantium Dulcis Oil	Orange Oil, Expressed	No	8008-57-9	0.5 - 1.5
Eugenia Caryophyllus Leaf Oil	Eugenia Caryophyllus (Clove) Leaf Oil	No	8000-34-8	0.5 - 1.5
Eucalyptus Globulus Leaf Extract	Eucalyptus maculata citriodora, ext.	No	8000-48-4	0.5 - 1.5
Methyl Dihydroxy-dimethylbenzoate	Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No	4707-47-5	0.5 - 1.5
Abies Sibirica Oil	Abies Sibirica Oil	No	8021-29-2	0.5 - 1.5
Limonene	Cyclohexene, 1-methyl-4-(1-methylethyl)-	No	5989-27-5	0.1 - 1.0

	enyl)-, (4R)-			
Linalool	1,6-Octadien-3-ol, 3,7-dimethyl-	No	78-70-6	0.1 - 1.0
Eugenol	Phenol, 2-methoxy-4-(2-propen-1-yl)-	No	97-53-0	0.1 - 1.0
Eucalyptol	2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl-	No	470-82-6	0.1 - 1.0
Methylcinnamic Aldehyde	2-Propenal, 2-methyl-3-phenyl-	No	101-39-3	0.1 - 1.0
(ethoxymethoxy)Cyclododecane	Boisambrene Forte	No	58567-11-6	0.1 - 1.0
Citral	2,6-Octadienal, 3,7-dimethyl-	No	5392-40-5	0.1 - 1.0
alpha-Cedrene	1H-3a,7-Methanoazulene, 2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-, (3R,3aS,7S,8aS)-	No	469-61-4	0.1 - 1.0
Linalyl acetate	1,6-Octadien-3-ol, 3,7-dimethyl-, 3-acetate	No	115-95-7	0.1 - 1.0
Isobutenyl Methyltetrahydropyran	2H-Pyran, Tetrahydro-4-methyl-2-(2-methyl-1-propenyl)-2 R-cis	No	16409-43-1	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

**Description of first aid measures****Eye contact**

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

**Skin contact**

Rinse with plenty of water. Call a physician 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.

**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

In case of fire: Use water, CO<sub>2</sub>, dry chemical, or foam for extinction.

**Unsuitable Extinguishing Media**

Do not use a solid water stream as it may scatter and spread fire.

**Special Hazard**

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 as required. Do not get in eyes, on skin, or on clothing.

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

**Environmental precautions** Should not be released into the environment

### Methods and material 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** No exposure limits noted for ingredient(s).

No relevant exposure guidelines for other ingredients

### Appropriate engineering 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</b>	Liquid	
<b>Appearance</b>	colorless To slightly yellow	
<b>Odor</b>	Spicy, sweet	
<b>Odor threshold</b>	No information available	
<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>	No information available	
<b>Melting Point / Freezing Point</b>	No information available	
<b>Initial boiling point and boiling range</b>	No information available	
<b>flash point</b>	74 °C / 165.2 °F	Closed cup.
<b>evaporation rate</b>	No information available	
<b>Flammability</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	No information available	
<b>Lower flammability or explosive limits</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Relative vapor density</b>	No information available	
<b>Relative density</b>	No information available	
<b>Water solubility</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	.
<b>Decomposition temperature</b>	No information available	.
<b>Viscosity</b>	No information available	

**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.

**Conditions to Avoid** Keep away from open flames, hot surfaces and sources of ignition.

**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.  
**Reproductive toxicity** No known effect.  
**Developmental toxicity** No known effect.  
**STOT - single exposure** No known effect.  
**STOT - repeated exposure** No known effect.  
**Aspiration hazard** No known effect.  
**Carcinogenicity** No known effect.

### Component Information

Chemical Name	CAS No	Oral LD50	Dermal LD50	Inhalation LC50
Cyclamen Aldehyde	103-95-7	3810 mg/kg bodyweight (rat)	-	-
Eugenol	97-53-0	2300 mg/kg bodyweight (rat)	-	-
Benzyl salicylate	118-58-1	2200 mg/kg bodyweight (rat)	-	-
Linalool	78-70-6	2790 mg/kg bodyweight (rat)	-	-
Eugenol	97-53-0	2300 mg/kg bodyweight (rat)	-	-
Eucalyptol	470-82-6	2480 mg/kg bodyweight (rat)	-	-
Methylcinnamic Aldehyde	101-39-3	2050 mg/kg bodyweight (rat)	-	-
Citral	5392-40-5	-	2500 mg/kg bodyweight (rat)	-

## 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 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**

Product is not regulated for transport by ground in retail packaging per 49 CFR 173.150(f)(2)

**IMDG**

**UN number or ID number** UN3082  
**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s.  
**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s. (Isobornyl acetate, Cedarwood oil, Texas), 9, III, Marine pollutant  
**Transport hazard class(es)** 9  
**Packing Group** III  
**EmS-No** F-A, S-F

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 number or ID number** UN3082  
**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s.  
**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s. (Isobornyl acetate, Cedarwood oil, Texas), 9, III  
**Transport hazard class(es)** 9  
**Packing group** III

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**

**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).

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

Chemical Name	CAS No	New Jersey
PPG-2 Methyl Ether	34590-94-8	X

Chemical Name	CAS No	Massachusetts
PPG-2 Methyl Ether	34590-94-8	X
Ethyl acetoacetate	141-97-9	X

Chemical Name	CAS No	Pennsylvania
PPG-2 Methyl Ether	34590-94-8	X
Ethyl acetoacetate	141-97-9	X
Borneol	507-70-0	X
Hexanal	66-25-1	X
Camphor	76-22-2	X
3-Hexenol	928-96-1	X
Isoamyl Acetate	123-92-2	X
Butyl acetate	123-86-4	X

**California Proposition 65**

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

**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**

**HMIS**

**NFPA**

Issuing Date: 09-Mar-2020

Revision date 26-Apr-2021

**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 Safety Data Sheet**



# SAFETY DATA SHEET



Issuing Date: 09-Mar-2020

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## 1. IDENTIFICATION

**Product Name** Febreze PLUG Air Freshener – Winter Spruce

**Product Identifier** 90907878\_A\_RET\_NG

**Product Type:** Finished Product - Retail

**Recommended Use** Air freshener.

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

**Synonyms** 91339368

**Details of the supplier of the safety data sheet** 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  
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## 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**

<b>Skin corrosion/irritation</b>	Category 2
<b>Eye Damage / Irritation</b>	Category 2
<b>Skin sensitization</b>	Category 1
<b>Flammable liquids</b>	Category 4
<b>Signal word</b>	Warning

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

Physical hazards  
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 water and soap  
 Take off contaminated clothing and wash before reuse  
 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

**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-%
PPG-2 Methyl Ether	PPG-2 Methyl Ether	No	34590-94-8	20 - 25
4-tert-Butylcyclohexyl acetate	Cyclohexanol, 4-(1,1-dimethylethyl)- 1-acetate	No	32210-23-4	10 - 15
Diethyl malonate	Propanedioic acid, 1,3-diethyl ester	No	105-53-3	10 - 15
Hexyl acetate	Acetic acid, hexyl ester	No	142-92-7	5 - 10
Benzyl alcohol	Benzenemethanol	No	100-51-6	1 - 5
Cyclamen Aldehyde	Cyclamen Aldehyde	No	103-95-7	1 - 5
Trimethylhexyl Acetate	1-Hexanol, 3,5,5-trimethyl-, 1-acetate	No	58430-94-7	1 - 5
Abies Balsamea Extract	Oils, Fir	No	8021-28-1	0.5 - 1.5
CEDROL METHYL ETHER	Cedramber	No	19870-74-7	0.5 - 1.5
Cedarwood oil, Texas	Cedarwood Oil, Texas	No	68990-83-0	0.5 - 1.5
Methyl Dihydroxy-dimethylbenzoate	Benzoic acid, 2,4-dihydroxy-3,6-dimethyl-, methyl ester	No	4707-47-5	0.5 - 1.5
Linalool	1,6-Octadien-3-ol, 3,7-dimethyl-	No	78-70-6	0.5 - 1.5
Benzyl salicylate	Benzoic acid, 2-hydroxy-, phenylmethyl ester	No	118-58-1	0.5 - 1.5
2,4-Dimethyl-3-Cyclohexene Carboxaldehyde	3-Cyclohexene-1-carboxaldehyde, 2,4-dimethyl-	No	68039-49-6	0.5 - 1.5
Eugenol	Phenol,	No	97-53-0	0.1 - 1.0

	2-methoxy-4-(2-propen-1-yl)-			
Eucalyptol	2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl-	No	470-82-6	0.1 - 1.0
Coumarin	2H-1-Benzopyran-2-one	No	91-64-5	0.1 - 1.0
Methylundecanal	Undecanal, 2-methyl-	No	110-41-8	0.1 - 1.0
Limonene	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-	No	5989-27-5	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

##### Description of first aid measures

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

**Skin contact** Rinse with plenty of water. Call a physician 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.

##### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** In case of fire: Use water, CO2, dry chemical, or foam for extinction.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

**Special Hazard** 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 as required. Do not get in eyes, on skin, or on clothing.

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

**Environmental precautions** Should not be released into the environment

##### Methods and material for containment and cleaning up

<b>Methods for containment</b>	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Methods for cleaning up</b>	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

<b>Advice on safe handling</b>	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.
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### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Store in a cool/low-temperature, well-ventilated, dry place away from heat and ignition sources.
<b>Incompatible products</b>	None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

<b>Exposure Guidelines</b>	No exposure limits noted for ingredient(s).
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No relevant exposure guidelines for other ingredients

### Appropriate engineering controls

<b>Engineering Measures</b>	<b>Distribution, Workplace and Household Settings:</b> Ensure adequate ventilation  <b>Product Manufacturing Plant (needed at Product-Producing Plant ONLY):</b> Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction
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### Personal Protective Equipment

<b>Eye Protection</b>	<b>Distribution, Workplace and Household Settings:</b> No special protective equipment required  <b>Product Manufacturing Plant (needed at Product-Producing Plant ONLY):</b> Use appropriate eye protection
<b>Hand Protection</b>	<b>Distribution, Workplace and Household Settings:</b> For sensitive skin or prolonged use, wear gloves  <b>Product Manufacturing Plant (needed at Product-Producing Plant ONLY):</b> Protective gloves
<b>Skin and Body Protection</b>	<b>Distribution, Workplace and Household Settings:</b> No special protective equipment required  <b>Product Manufacturing Plant (needed at Product-Producing Plant ONLY):</b>

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</b>	Liquid	
<b>Appearance</b>	colorless	
<b>Odor</b>	Woody	
<b>Odor threshold</b>	No information available	
<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>	No information available	
<b>Melting Point / Freezing Point</b>	No information available	
<b>Initial boiling point and boiling range</b>	No information available	
<b>flash point</b>	81 °C / 177.8 °F	Closed cup.
<b>evaporation rate</b>	No information available	
<b>Flammability</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	No information available	
<b>Lower flammability or explosive limits</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Relative vapor density</b>	No information available	
<b>Relative density</b>	No information available	
<b>Water solubility</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	.
<b>Decomposition temperature</b>	No information available	.
<b>Viscosity</b>	No information available	

**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>Incompatible Materials</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.

**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.  
**Reproductive toxicity** No known effect.  
**Developmental toxicity** No known effect.  
**STOT - single exposure** No known effect.  
**STOT - repeated exposure** No known effect.  
**Aspiration hazard** No known effect.  
**Carcinogenicity** No known effect.

**Component Information**

Chemical Name	CAS No	Oral LD50	Dermal LD50	Inhalation LC50
Benzyl alcohol	100-51-6	1620 mg/kg (rat)	-	11 mg/l/4h (rat)
Cyclamen Aldehyde	103-95-7	3810 mg/kg bodyweight (rat)	-	-
Linalool	78-70-6	2790 mg/kg bodyweight (rat)	-	-
Benzyl salicylate	118-58-1	2200 mg/kg bodyweight (rat)	-	-
Eugenol	97-53-0	2300 mg/kg bodyweight (rat)	-	-
Eucalyptol	470-82-6	2480 mg/kg bodyweight (rat)	-	-
Coumarin	91-64-5	520 mg/kg bodyweight (rat)	-	-

**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 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**

Product is not regulated for transport by ground in retail packaging per 49 CFR 173.150(f)(2)

**IMDG**

**UN number or ID number** UN3082  
**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s.  
**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s. (Isobornyl acetate, 4-tert-Butylcyclohexyl acetate), 9, III, Marine pollutant  
**Transport hazard class(es)** 9  
**Packing Group** III  
**EmS-No** F-A, S-F

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 number or ID number** UN3082  
**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s.  
**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s. (Isobornyl acetate, 4-tert-Butylcyclohexyl acetate), 9, III  
**Transport hazard class(es)** 9  
**Packing group** III

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**

**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).

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

Chemical Name	CAS No	New Jersey
PPG-2 Methyl Ether	34590-94-8	X
Diethyl malonate	105-53-3	X

  

Chemical Name	CAS No	Massachusetts
PPG-2 Methyl Ether	34590-94-8	X
Benzyl alcohol	100-51-6	X

Chemical Name	CAS No	Pennsylvania
PPG-2 Methyl Ether	34590-94-8	X
Benzyl alcohol	100-51-6	X
Borneol	507-70-0	X
Camphor	76-22-2	X
3-Hexenol	928-96-1	X
Acetic acid	64-19-7	X
Hexyl alcohol	111-27-3	X

#### California Proposition 65

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

#### 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

#### HMIS

#### NFPA

**Issuing Date:** 09-Mar-2020

**Revision date** 26-Apr-2021

#### **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 Safety Data Sheet**