

SAFETY DATA SHEET

Issuing Date 08-Mar-2017

Revision Date 09-Mar-2017

Revision Number 1

This document complies with the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name Fresh Cotton (air freshener cartridge)

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Air freshener
No information available

Uses advised against

Supplier's details

Manufacturer Address

Impact Products LLC
2840 Centennial Road
Toledo, Ohio 43617-1898

Emergency telephone number

Company Phone Number

Phone: 800.333.1541

Fax: 800.333.1531

Email: custserv@impact-products.com

Emergency Telephone (24 hr)

INFOTRAC 1-352-323- 3500 (International) 1-800-535-5053
(North America)

2. HAZARDS IDENTIFICATION

Classification

This product is considered hazardous according to the criteria set within the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

Skin Sensitization	Category 1
Reproductive Toxicity	Category 2
Flammable liquids	Category 4

Label Elements

Warning



Hazard Statements

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction May damage fertility or the unborn child

Combustible liquid.

Physical and Health Hazards Not Otherwise Classified Not applicable.

Precautionary Statements

Prevention

- Wash face, hands and any exposed skin thoroughly after handling.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Contaminated work clothing should not be allowed out of the workplace.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- Wear protective gloves/protective clothing/eye protection/face protection.

General Advice

- If exposed or concerned: Get medical attention/advice

Eyes

- 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.

Skin

- IF ON SKIN: Wash with plenty of soap and water.
- Take off contaminated clothing and wash before reuse.
- If skin irritation or rash occurs: Get medical advice/attention.

Fire

- In case of fire: Use CO₂, dry chemical, or foam for extinction.

Storage

- Store locked up.
- Store in a well-ventilated place. Keep cool.

Disposal

- Dispose of contents/container to an approved waste disposal plant.

Other information

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

13.163% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Dipropylene glycol monomethyl ether	34590-94-8	48.9	-	-
7-Octen-2-ol, 2,6-dimethyl-	18479-58-8	14	-	-
Linalool	78-70-6	5.68	-	-
Methyl benzoate	93-58-3	4	-	-
2-Heptanol, 2,6-dimethyl-	13254-34-7	4	-	-
Allyl (3-methylbutoxy)acetate	67634-00-8	3	-	-
Lynalyl acetate (ex bois de rose, synthetic)	115-95-7	2.62	-	-
3,5,5-trimethylhexyl acetate	58430-94-7	1.5	-	-
Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate	32210-23-4	1.2	-	-
3-Buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-	127-51-5	1.05	-	-
D-Limonene	5989-27-5	0.96	-	-
Eugenol	97-53-0	0.5	-	-
Citral	5392-40-5	0.5	-	-
2,4-dimethyl-3-cyclohexene carboxaldehyde	68039-49-6	0.5	-	-
Undecenal	1337-83-3	0.1	-	-

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact	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.
Skin Contact	Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Remove and wash contaminated clothing before re-use.
Inhalation	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Protection of First-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects Itching. Rashes. Irritation.

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

Notes to Physician May cause sensitization by skin contact.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use: Carbon dioxide (CO₂). Dry chemical. Foam.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical Combustible liquid. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

Carbon oxides.

Hazardous Combustion Products

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Environmental Precautions

Environmental Precautions Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Dike to collect large liquid spills.

Methods for Cleaning Up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use personal protective equipment. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Keep away from heat, sparks and open flame. No smoking. Wear personal protective equipment. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Ensure adequate ventilation. Avoid contact with eyes and clothing.

Conditions for safe storage, including any incompatibilities

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

Incompatible Products Strong oxidizing agents. Strong acids. Strong bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dipropylene glycol monomethyl ether 34590-94-8	STEL: 150 ppm TWA: 100 ppm S*	TWA: 100 ppm TWA: 600 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m ³ (vacated) S* S*	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m ³ STEL: 150 ppm STEL: 900 mg/m ³

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Appropriate engineering controls

Engineering Measures Showers
 Eyewash stations
 Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles.
Skin and Body Protection Wear protective gloves/clothing.
Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing. Contaminated work clothing should not be allowed out of the workplace. Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid. **Appearance** Clear, colorless to yellow.
Odor No information available. **Odor Threshold** No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	75 °C	None known
Evaporation rate	No data available	None known

Flammability (solid, gas)	No data available	None known
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Flammability Limits in Air

upper flammability limit	No data available	
lower flammability limit	No data available	

Vapor Pressure	No data available	None known
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Vapor Density	No data available	None known
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Specific Gravity	0.9220 - 0.9260	None known
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Water Solubility	No data available	None known
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Solubility in other solvents	No data available	None known
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Partition coefficient: n-octanol/water	No data available	None known
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Autoignition Temperature	No data available	None known
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Decomposition Temperature	No data available	None known
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Viscosity	No data available	None known
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Flammable Properties	Not flammable
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Explosive Properties	No data available
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Oxidizing Properties	No data available
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Other information

VOC Content (%)	No data available
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10. STABILITY AND REACTIVITY

<u>Reactivity</u>	No data available.
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<u>Chemical stability</u>	Stable under recommended storage conditions.
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<u>Possibility of hazardous reactions</u>	None under normal processing.
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<u>Hazardous Polymerization</u>	Hazardous polymerization does not occur.
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<u>Conditions to avoid</u>	Heat.
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<u>Incompatible materials</u>	Strong oxidizing agents. Strong acids. Strong bases.
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<u>Hazardous decomposition products</u>	None known based on information supplied.
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11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Product Information	No acute toxicity information is available for this product.
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 Inhalation	There is no data available for this product.
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 Eye Contact	Causes serious eye irritation
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 Skin Contact	Causes skin irritation. May cause sensitization by skin contact.
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Ingestion There is no data available for this product.

Numerical measures of toxicity - Product

Unknown acute toxicity 13.163% of the mixture consists of ingredient(s) of unknown toxicity. *The following values are calculated based on chapter 3.1 of the GHS document:*

LD50 Oral 4294 mg/kg; Acute toxicity estimate
LD50 Dermal 10387 mg/kg; Acute toxicity estimate

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dipropylene glycol monomethyl ether	= 5400 µL/kg (Rat)	= 9500 mg/kg (Rabbit)	-
D-Limonene	5000 mg/kg (Rat)	>5000 mg/kg (Rabbit)	-
Citral	= 4960 mg/kg (Rat)	= 2250 mg/kg (Rabbit)	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Respiratory or Skin Sensitization No information available.
Germ Cell Mutagenicity No information available.

Carcinogenicity Contains no ingredients above reportable quantities listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
D-Limonene		Group 3	-	-
Eugenol		Group 3		

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to its Carcinogenicity to Humans

Reproductive Toxicity May damage fertility or the unborn child
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Dipropylene glycol monomethyl ether 34590-94-8		LC50 96 h: > 10000 mg/L static (Pimephales promelas)		LC50 48 h: = 1919 mg/L (Daphnia magna)
Linalool 78-70-6	EC50 96 h: = 88.3 mg/L (Desmodesmus subspicatus)	LC50 96 h: 22 - 46 mg/L static (Leuciscus idus)		EC50 48 h: = 20 mg/L (Daphnia magna)

2-Heptanol, 2,6-dimethyl- 13254-34-7	EC50 96 h: = 2.7 mg/L (Pseudokirchneriella subcapitata) EC50 96 h: = 6.2 mg/L (Desmodesmus subspicatus) EC50 72 h: = 8.38 mg/L (Desmodesmus subspicatus) EC50 96 h: = 9.31 mg/L (Desmodesmus subspicatus)	LC50 96 h: 10 - 15 mg/L static (Leuciscus idus) LC50 96 h: 3.6 - 5.1 mg/L static (Lepomis macrochirus) LC50 96 h: 4.78 - 8.85 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 1.04 mg/L flow-through (Pimephales promelas) LC50 96 h: = 10 mg/L static (Leuciscus idus) LC50 96 h: = 5.7 mg/L (Pimephales promelas) LC50 96 h: = 5.77 mg/L (Pimephales promelas) LC50 48 h: = 8.37 mg/L (Leuciscus idus) LC50 48 h: > 5000 mg/L (Leuciscus idus)		EC50 48 h: 4.78 - 8.87 mg/L Static (Daphnia magna) EC50 48 h: = 17.1 mg/L (Daphnia magna) EC50 48 h: = 3 mg/L (Daphnia magna) EC50 48 h: = 320 mg/L (Daphnia magna) EC50 48 h: = 8.5 mg/L (Daphnia magna)
Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate 32210-23-4		LC50 48 h: = 15.5 mg/L static (Leuciscus idus)		EC50 24 h: = 9.6 mg/L (Daphnia magna)
D-Limonene 5989-27-5		LC50 96 h: 0.619 - 0.796 mg/L flow-through (Pimephales promelas) LC50 96 h: = 35 mg/L (Oncorhynchus mykiss)		
Citral 5392-40-5	EC50 72 h: = 16 mg/L (Desmodesmus subspicatus) EC50 96 h: = 19 mg/L (Desmodesmus subspicatus)	LC50 96 h: 4.6 - 10 mg/L static (Leuciscus idus)	EC50 = 2100 mg/L 30 min	EC50 48 h: = 7 mg/L (Daphnia magna)
Eugenol 97-53-0		LC50 67.6 mg/l Oncorhynchus kisutch (Coho salmon) 96 h static		
Eucalyptol 470-82-6		LC50 96 h: 95.4 - 109 mg/L flow-through (Pimephales promelas)		
Pin-2(3)-ene 80-56-8		LC50 96 h: = 0.28 mg/L static (Pimephales promelas)		LC50 48 h: = 41 mg/L (Daphnia magna)
2,6-Di-tert-butyl-p-cresol 128-37-0	EC50 72 h: = 6 mg/L (Pseudokirchneriella subcapitata) EC50 72 h: > 0.42 mg/L (Desmodesmus subspicatus)	LC50 48 h: = 5 mg/L (Oryzias latipes)	EC50 = 7.82 mg/L 5 min EC50 = 8.57 mg/L 15 min EC50 = 8.98 mg/L 30 min	

Persistence and Degradability No information available.

Bioaccumulation No information available.

Chemical Name	Log Pow
Dipropylene glycol monomethyl ether	-0.064
Linalool	3.1
Methyl benzoate	2.1
2-Heptanol, 2,6-dimethyl-	3.451
Eugenol	2.27
Citral	2.76

Mobility No information available.

Other Adverse Effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

15. REGULATORY INFORMATION

International Regulations

Ozone depleting substances Not applicable

Persistent Organic Pollutants Not applicable

Hazardous Waste Not applicable

The Rotterdam Convention (Prior Informed Consent) Not applicable

International Convention for the Prevention of Pollution from Ships (MARPOL) Not applicable

International Inventories

TSCA Complies

DSL Complies

EINECS Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory **DSL/NDSL**

- Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Dipropylene glycol monomethyl ether	34590-94-8	48.9	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard

Yes

Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

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).

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.

U.S. State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Myrcene	123-35-3	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Dipropylene glycol monomethyl ether	X	X	X	X	X
Methyl benzoate	X				

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA Health Hazard 2 Flammability 2 Instability 0 Physical and Chemical Hazards -

HMIS Health Hazard 2* Flammability 2 Physical Hazard 0 Personal Protection X

*Indicates a chronic health hazard.

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

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Revision Note New regional format.

General Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet