

Material Safety Data Sheet

Issuing Date 12-Oct-2015

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Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Duo Membrane- Lavender

Recommended Use Air freshener

Synonyms Air freshener.

Supplier Address

Hopkins Manufacturing Corporation
428 Peyton Street
Emporia, KS 66801 USA
TEL: 1-800-524-1458

Manufacturer Address

Hopkins Manufacturing Corporation
428 Peyton Street
Emporia, KS 66801 USA
TEL: 1-800-524-1458

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

COMBUSTIBLE LIQUID AND VAPOR
Irritating to eyes and skin
May cause sensitization by skin contact

Appearance Colorless

Physical State Liquid.

Odor Conforms to standard

Potential Health Effects

Principle Routes of Exposure Inhalation. Skin contact. Eye contact.

Acute Toxicity

Eyes

Irritating to eyes.

Skin

Irritating to skin. May cause sensitization by skin contact.

Inhalation

May cause irritation of respiratory tract.

Ingestion

Ingestion may cause irritation to mucous membranes.

Chronic Effects

May produce an allergic reaction.

Aggravated Medical Conditions

Allergies. Skin disorders. Pre-existing eye disorders.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
1-Hexanol, 3,5,5-trimethyl-, acetate	58430-94-7	30-60
Lynalyl acetate (ex bois de rose, synthetic)	115-95-7	5-10
7-Octen-2-ol, 2,6-dimethyl-, acetate	53767-93-4	5-10
Dipentene	138-86-3	1-5
Dimethylbenzylcarbinyl acetate	151-05-3	1-5
Benzyl acetate	140-11-4	1-5
Benzenepentanol, .beta.-methyl-	25634-93-9	1-5
6-Octenenitrile, 3,7-dimethyl-	51566-62-2	1-5
4,7-Methano-1H-indenol, 3a,4,5,6,7,7a-hexahydro-, propanoate	68912-13-0	1-5
4,7-Methano-1H-indenol, 3a,4,5,6,7,7a-hexahydro-, acetate	54830-99-8	1-5

1,3-Dioxolane-2-acetic acid, 2-methyl-, ethyl ester	6413-10-1	1-5
Lauryl aldehyde	112-54-9	0.1-1
Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-	1222-05-5	0.1-1
Heptanoic acid, 2-propenyl ester	142-19-8	0.1-1
Ethanone, 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-	68155-66-8	0.1-1
3-Cyclohexene-1-carboxaldehyde, dimethyl-	27939-60-2	0.1-1
Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl-	80-54-6	0.1-1
Allyl caproate	123-68-2	0.1-1
3-Buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-	127-51-5	0.1-1
2,6-Di-tert-butyl-p-cresol	128-37-0	0.1-1

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. 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.
Notes to Physician	May cause sensitization of susceptible persons. Treat symptomatically.
Protection of First-aiders	Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Combustible liquid.
Flash Point	174 °F / 79 °C
Suitable Extinguishing Media	Use: Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol-resistant foam.
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	Yes.
Specific Hazards Arising from the Chemical	Combustible liquid. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
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.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use personal protective equipment. Avoid contact with skin, eyes and clothing.
Environmental Precautions	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. See Section 12 for additional Ecological Information.
Methods for Containment	Dike far ahead of liquid spill for later disposal.
Methods for Cleaning Up	Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use personal protective equipment. Use non-sparking tools and equipment. Clean up promptly by sweeping or vacuum.

7. HANDLING AND STORAGE

Handling	Remove all sources of ignition. Keep away from heat, sparks and open flame. No smoking. Take precautionary measures against static discharges. Ground/bond container and receiving equipment. Use only in an area containing flame proof equipment. Keep container tightly closed. Wear personal protective equipment. Avoid contact with skin, eyes and clothing.
Storage	Keep containers tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Benzyl acetate 140-11-4	TWA: 10 ppm	-	
2,6-Di-tert-butyl-p-cresol 128-37-0	TWA: 2 mg/m ³ inhalable fraction and vapor	(vacated) TWA: 10 mg/m ³	TWA: 10 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.

Other Exposure Guidelines	Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).
Engineering Measures	Showers Eyewash stations Ventilation systems
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	Wash thoroughly after handling. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless.	Odor	Conforms to standard.
Odor Threshold	No information available.	Physical State	Liquid.
pH	No information available.		
Flash Point	174 °F / 79 °C	Autoignition Temperature	> 100 °C / 212 °F

Decomposition Temperature	No information available.	Boiling Point/Boiling Range	No information available.
Melting Point/Range	No information available.	Flammability Limits in Air	No information available.
Solubility	No information available.	Evaporation Rate	No information available.
Vapor Pressure	0.2 hPa Calculated	Vapor Density	No information available.
VOC Content (%)	5		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible Products	Strong oxidizing agents.
Conditions to Avoid	Heat, flames and sparks.
Hazardous Decomposition Products	Carbon oxides.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	May cause irritation of respiratory tract.
Eye Contact	Irritating to eyes.
Skin Contact	Irritating to skin. May cause sensitization by skin contact.
Ingestion	Ingestion may cause irritation to mucous membranes.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dipentene	= 5300 mg/kg (Rat)		
Benzyl acetate	= 2490 mg/kg (Rat)	> 5 g/kg (Rabbit)	
Lauryl aldehyde	= 23 g/kg (Rat)		
2,6-Di-tert-butyl-p-cresol	890 mg/kg (Rat)	-	-

Chronic Toxicity

Chronic Toxicity	May produce an allergic reaction.
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Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.
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Chemical Name	ACGIH	IARC	NTP	OSHA
Benzyl acetate		Group 3		
2,6-Di-tert-butyl-p-cresol		Group 3	-	-

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to its Carcinogenicity to Humans

Target Organ Effects	Eyes. Skin.
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12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Benzyl acetate			EC50 = 3.29 mg/L 5 min EC50 = 3.86 mg/L 15 min EC50 = 4.54 mg/L 30 min	
Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl-		LC50 96 h: 2.2-4.6 mg/L static (Brachydanio rerio)		EC50 48 h: = 10.7 mg/L (Daphnia magna)
Allyl caproate		LC50 96 h: = 30 mg/L (Carassius auratus)		
2,6-Di-tert-butyl-p-cresol	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	
Chemical Name		Log Pow		
Benzyl acetate		1.96		
Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl-		4.2		
2,6-Di-tert-butyl-p-cresol		4.17		

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 Inventories

TSCA Complies
DSL Complies

Legend

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

DSL/NDL - 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 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.

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 does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Dipentene	X				
Benzyl acetate	X				
2,6-Di-tert-butyl-p-cresol	X	X	X		X

International Regulations**Mexico - Grade**

Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
2,6-Di-tert-butyl-p-cresol		Mexico: TWA 10 mg/m ³ Mexico: STEL 20 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid

D2B Toxic materials

**16. OTHER INFORMATION****Prepared By**

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

Issuing Date

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Revision Note

Initial Release

General Disclaimer

The information provided on this MSDS 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