

SAFETY DATA SHEET

Issuing Date 30-Jul-2013

Revision Date 30-Jul-2013

Revision Number 0

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

GHS product identifier

Product Name Glade Membrane

Other means of identification

Synonyms Scented Oil

Recommended use of the chemical and restrictions on use

Recommended Use Air freshener

Uses advised against No information available

Supplier's details

Supplier Address

Auto Expressions, LLC.

505 E. Euclid

Compton, CA 90224

USA

TEL: 877-572-2602/+1-310-639-0666

Emergency telephone number

Emergency Telephone Number 877-675-7226 or +1-303-389-1658

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Skin Sensitization	Category 1
Flammable liquids	Category 4

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word	Warning
Hazard Statements	
• Causes skin irritation	
• Causes serious eye irritation	
• May cause an allergic skin reaction	
•	
• Combustible liquid.	

**Appearance** Varies**Physical State** Liquid.**Odor** Varies**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
- Keep away from heat/sparks/open flames/hot surfaces - No smoking
- Wear protective gloves/protective clothing/eye protection/face protection.

General Advice

- None

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 in a well-ventilated place. Keep cool.

Disposal

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

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

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

0 % of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Scented Oil

Chemical Name	CAS-No	Weight %	Trade secret
Linalyl acetate (ex bois de rose, synthetic)	115-95-7	7.5-10	*
Cyclohexanol, 2-(1,1-dimethylethyl)-, acetate	88-41-5	2.5-7.5	*
Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate	32210-23-4	2.5-7.5	*
3.alpha.,4,5,6,7,7.alpha.-hexahydro-4,7-methanoinden-6-yl acetate	5413-60-5	2.5-7.5	*

Linalool	78-70-6	2.5-5	*
Dimethylbenzylcarbinyl acetate	151-05-3	2.5-5	*
Dihydromyrcenol	18479-58-8	2.5-5	*
2(3H)-Furanone, 5-heptyldihydro-	104-67-6	1-5	*
Triplal	68039-49-6	0.1-2.5	*
Terpinyl acetate	80-26-2	1-2.5	*
Terpineol	8000-41-7	1-2.5	*
n-Hexyl acetate	142-92-7	1-2.5	*
Ionone, .beta. (.beta.-ionone)	14901-07-6	0.5-2.5	*
Benzyl alcohol	100-51-6	1-2.5	*
Cyclohexanepropanoic acid, 2-propenyl ester	2705-87-5	1-2.5	*
3-Buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-	127-51-5	1-2.5	*
4,7-Methano-1H-inden-6-ol, 3a,4,5,6,7,7a-hexahydro-, propanoate	17511-60-3	1-2.5	*
Methyl 2-naphthyl ether	93-04-9	0.5-1.0	*
Eugenol	97-53-0	0.5-1.0	*
Citral	5392-40-5	0.5-1.0	*
Cinnamaldehyde	104-55-2	0.5-1.0	*
Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)-	103-95-7	0.5-1.0	*
1-Penten-3-one, 1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-, [R-(E)]-	127-42-4	0.5-1.0	*
2H-Pyran, tetrahydro-4-methyl-2-(2-methyl-1-propenyl)-	16409-43-1	0.1-0.5	*
Oxacyclohexadecan-2-one	106-02-5	0.1-0.5	*
Isocyclocitral	1335-66-6	0.1-0.5	*
Carvone	99-49-0	0.1-0.5	*
4,7-Methano-1H-indene-2-carboxaldehyde, octahydro-5-methoxy-	86803-90-9	0.1-0.5	*
2-Buten-1-ol, 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-	28219-61-6	0.1-0.5	*
2,3-Dihydro-1,1-dimethyl-1H-indene-	300371-33-9	0.1-0.5	*
1-Penten-3-one, 1-(2,6,6-trimethyl-1-cyclohexen-1-yl)-	127-43-5	0.1-0.5	*
Butanoic acid, 1,1-dimethyl-2-phenylethyl ester	10094-34-5	0.1-0.5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If irritation persists, call a physician.

Skin Contact Wash off with warm water and soap. If skin irritation or rash occurs: Get medical advice/attention. Remove and wash contaminated clothing before re-use.

Inhalation Move to fresh air.

Ingestion Clean mouth with water and afterwards drink plenty of water.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects Itching, Hives, Red eyes, Tearing, Irritation.

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

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing MediaUse: Carbon dioxide (CO₂). Dry chemical. Foam.**Unsuitable Extinguishing Media** None**Specific Hazards Arising from the Chemical**

Combustible Liquid.

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**

Ensure adequate ventilation. This material may burn, but will not ignite readily. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Environmental Precautions**Environmental Precautions**

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

Methods and materials for containment and cleaning up**Methods for Containment**

Suppress vapors with water spray.

Methods for Cleaning Up

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE**Precautions for safe handling****Handling**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
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Citral 5392-40-5	TWA: 5 ppm inhalable fraction and vapor S*	-	-
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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 Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Varies.
Odor	Varies	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	71 - 77 °C	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Specific Gravity	No data available.	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

Flammable Properties Not flammable

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) <60

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Temperatures above 71°C.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information****Inhalation**

Low order of toxicity based on components.

Eye Contact

Irritating to eyes.

Skin Contact

Irritating to skin.

Ingestion

Low order of toxicity based on components.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Lynalyl acetate (ex bois de rose, synthetic)	= 13934 mg/kg (Rat)	-	-
Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate	= 5 g/kg (Rat)	-	-
Cyclohexanol, 2-(1,1-dimethylethyl)-, acetate	= 4600 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
Dimethylbenzylcarbonyl acetate	= 3300 mg/kg (Rat)	-	-
Linalool	2790 mg/kg (Rat)	5610 mg/kg (Rat)	-
2(3H)-Furanone, 5-heptyldihydro-	= 18500 mg/kg (Rat)	-	-
Dihydromyrcenol	= 3600 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
Cyclohexanepropanoic acid, 2-propenyl ester	= 585 mg/kg (Rat)	-	-
n-Hexyl acetate	= 41500 µL/kg (Rat)	> 5 g/kg (Rabbit)	-
Ionone, .beta. (.beta.-Ionone)	= 4590 mg/kg (Rat)	-	-
Benzyl alcohol	= 1230 mg/kg (Rat)	= 2000 mg/kg (Rabbit)	= 8.8 mg/L (Rat) 4 h
Terpinyl acetate	= 5075 mg/kg (Rat)	-	-
Terpineol	= 2900 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	-
4,7-Methano-1H-inden-6-ol, 3a,4,5,6,7,7a-hexahydro-, propanoate	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	-
Methyl 2-naphthyl ether	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	-
Eugenol	= 1930 mg/kg (Rat)	-	-
Citral	= 4950 mg/kg (Rat)	= 2250 mg/kg (Rabbit) > 2000 mg/kg (Rat)	-

Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)-	= 3810 mg/kg (Rat)	> 5 g/kg (Rat)	-
Cinnamaldehyde	= 2200 mg/kg (Rat)	> 2000 mg/kg (Rabbit) > 2000 mg/kg (Rat)	-
Oxacyclohexadecan-2-one	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	-
Butanoic acid, 1,1-dimethyl-2-phenylethyl ester	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	-
Isocyclocitral	= 4500 mg/kg (Rat)	-	-
2H-Pyran, tetrahydro-4-methyl-2-(2-methyl-1-p ropenyl)-	= 4300 mg/kg (Rat)	-	-
4,7-Methano-1H-indene-2-carboxald ehyde, octahydro-5-methoxy-	= 2800 mg/kg (Rat)	> 2 g/kg (Rabbit)	-
Carvone	= 1640 mg/kg (Rat)	-	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Irritation

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

Sensitization May cause sensitization by skin contact.
Mutagenic Effects No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Eugenol		Group 3		

IARC: (International Agency for Research on Cancer)

Group 3: Not Classifiable as to its Carcinogenicity to Humans

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product

Acute Toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document: Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
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)
Linalool 78-70-6	EC50 96 h: = 88.3 mg/L (Desmodosmus subspicatus)	LC50 96 h: 22-46 mg/L static (Leuciscus idus)		EC50 48 h: = 20 mg/L (Daphnia magna)
n-Hexyl acetate 142-92-7		LC50 96 h: 3.7-4.4 mg/L flow-through (Pimephales promelas)		
Benzyl alcohol 100-51-6	EC50 3 h: = 35 mg/L (Anabaena variabilis)	LC50 96 h: = 10 mg/L static (Lepomis macrochirus) LC50 96 h: = 460 mg/L static (Pimephales promelas)	EC50 = 50 mg/L 5 min EC50 = 63.7 mg/L 15 min EC50 = 63.7 mg/L 5 min EC50 = 71.4 mg/L 30 min	EC50 48 h: = 23 mg/L (water flea)
Eugenol 97-53-0		LC50 67.6 mg/l Oncorhynchus kisutch (Coho salmon) 96 h static		

Citral 5392-40-5	EC50 72 h: = 16 mg/L (Desmodemus subspicatus) EC50 96 h: = 19 mg/L (Desmodemus 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)
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Persistence and Degradability No information available.

Bioaccumulation No information available.

Chemical Name	Log Pow
Linalool	3.1
Benzyl alcohol	1.1
Eugenol	2.27
Citral	2.76
Cinnamaldehyde	2.22

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

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/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 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

This product does not contain any substances regulated by state right-to-know regulations.

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

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