

# SAFETY DATA SHEET



Version 1.0      Revision Date: 10/11/2019      SDS Number: 600000001365      Date of last issue: -  
Date of first issue: 10/11/2019

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## SECTION 1. IDENTIFICATION

Product name : AC GLADE MEMBRANE NEW CAR UN  
Product code : 805376U

### Manufacturer or supplier's details

Company name of supplier : Niteo Products, LLC  
Address : Dallas TX 75225  
Email Address : EHS@niteoproducts.com  
Telephone : 1-844-696-4836  
Emergency telephone number : 1-800-424-9300 / 1-703-741-5970

### Recommended use of the chemical and restrictions on use

Recommended use : AIR FRESHENER

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## SECTION 2. HAZARDS IDENTIFICATION

### GHS classification in accordance with 29 CFR 1910.1200

Flammable liquids : Category 4  
Skin irritation : Category 2  
Eye irritation : Category 2A  
Skin sensitisation : Category 1  
Reproductive toxicity : Category 2  
Specific target organ toxicity - single exposure (Inhalation) : Category 2 (Lungs)

### GHS label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : Combustible liquid.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Suspected of damaging fertility.  
May cause damage to organs (Lungs) if inhaled.

Precautionary statements : **Prevention:**  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.

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Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### Response:

IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF exposed or concerned: Call a POISON CENTER/doctor.  
IF exposed or concerned: Get medical advice/ attention.  
If skin irritation or rash occurs: Get medical advice/ attention.  
If eye irritation persists: Get medical advice/ attention.  
Take off contaminated clothing and wash before reuse.  
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

#### Storage:

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

#### Disposal:

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

#### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
3,5,5-trimethylhexyl acetate	58430-94-7	>= 30 - < 50
Benzyl acetate	140-11-4	>= 10 - < 20
Linalool	78-70-6	>= 5 - < 10
Lilial	80-54-6	>= 5 - < 10
4-t-Butylcyclohexyl acetate	32210-23-4	>= 5 - < 10
Linalyl acetate	115-95-7	>= 5 - < 10
Bornan-2-one	76-22-2	>= 5 - < 10
Distillates (petroleum), hydrotreated light	64742-47-8	>= 5 - < 10
Proprietary Aliphatic Esters	Not Assigned	>= 5 - < 10

Any concentration shown as a range is to protect confidentiality or is due to batch variation. If no CAS number is identified, the component is considered trade secret.

## SECTION 4. FIRST AID MEASURES

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- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
  - If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
  - In case of skin contact : If on clothes, remove clothes.  
Remove contaminated clothing. If irritation develops, get medical attention.  
If on skin, rinse well with water.  
Wash contaminated clothing before re-use.  
If skin irritation persists, call a physician.
  - In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
  - If swallowed : Obtain medical attention.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
  - Most important symptoms and effects, both acute and delayed : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Suspected of damaging fertility.  
May cause damage to organs if inhaled.
- 

## SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Carbon dioxide (CO<sub>2</sub>)
  - Unsuitable extinguishing media : High volume water jet
  - Specific hazards during fire-fighting : If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release.  
Do not allow run-off from fire fighting to enter drains or water courses.
  - Hazardous combustion products : Carbon oxides
  - Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
  - Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Use a water spray to cool fully closed containers.
  - Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
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## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protection : Use personal protective equipment.

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- tive equipment and emergency procedures

Remove all sources of ignition.  
Avoid breathing dust.  
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
- Environmental precautions

: Prevent further leakage or spillage if safe to do so.  
Prevent product from entering drains.  
Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and 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).  
Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion

: Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77.  
Keep away from open flames, hot surfaces and sources of ignition.  
Do not spray on a naked flame or any incandescent material.
- Advice on safe handling

: Avoid formation of aerosol.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Do not breathe vapours/dust.  
Do not smoke.  
Avoid contact with skin and eyes.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Dispose of rinse water in accordance with local and national regulations.  
Container hazardous when empty.  
Smoking, eating and drinking should be prohibited in the application area.  
For personal protection see section 8.
- Conditions for safe storage

: Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
No smoking.
- Further information on storage stability

: No decomposition if stored and applied as directed.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Benzyl acetate	140-11-4	TWA	10 ppm	ACGIH
Bornan-2-one	76-22-2	TWA	2 mg/m <sup>3</sup>	OSHA Z-1
		TWA	2 ppm	ACGIH
		STEL	3 ppm	ACGIH
		TWA	2 mg/m <sup>3</sup>	NIOSH REL
		TWA	2 mg/m <sup>3</sup>	OSHA P0
Distillates (petroleum), hydrotreated light	64742-47-8	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	ACGIH
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL

### Hazardous components without workplace control parameters

Components	CAS-No.
3,5,5-trimethylhexyl acetate	58430-94-7
Linalool	78-70-6
Lilial	80-54-6
4-t-Butylcyclohexyl acetate	32210-23-4
Linalyl acetate	115-95-7
Proprietary Aliphatic Esters	Not Assigned

**Engineering measures** : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

### Personal protective equipment

Hand protection

Remarks : Wear resistant gloves (consult your safety equipment supplier). The suitability for a specific workplace should be discussed with the producers of the protective gloves. Discard gloves that show tears, pinholes, or signs of wear.

Eye protection : Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
 Wear as appropriate:  
 Impervious clothing  
 Safety shoes

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
 When using do not smoke.  
 When using do not eat or drink.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance : liquid  
Colour : blue  
Odour : pleasant  
Odour Threshold : not determined

pH : not determined

Melting point/freezing point : not determined

Boiling point/boiling range : not determined  
Flash point : 84 °C  
Method: closed cup

Evaporation rate : not determined

Flammability (solid, gas) : not determined

Self-ignition : not determined

Upper explosion limit / Upper flammability limit : not determined

Lower explosion limit / Lower flammability limit : not determined

Vapour pressure : 0.5486 hPa (20 °C)

Relative vapour density : not determined

Density : 0.909 g/cm<sup>3</sup> (20 °C)

Solubility(ies)  
Water solubility : practically insoluble

Partition coefficient: n-octanol/water : not determined

Decomposition temperature : not determined

Viscosity  
Viscosity, dynamic : not determined  
Viscosity, kinematic : not determined

Molecular weight : No data available

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## SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.  
Chemical stability : No decomposition if stored and applied as directed.  
Possibility of hazardous reactions : No decomposition if stored and applied as directed.  
Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.  
Incompatible materials : Strong oxidizing agents  
Hazardous decomposition products : Carbon oxides

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## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact  
Ingestion

### Acute toxicity

Not classified based on available information.

### Product:

Acute oral toxicity : Acute toxicity estimate: 2,255 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 50 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

### Components:

#### **3,5,5-trimethylhexyl acetate:**

Acute oral toxicity : LD50 (Rat): 4,250 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

#### **Benzyl acetate:**

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LCLo (Rat, male and female): > 0.766 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403  
Assessment: No adverse effect has been observed in acute inhalation toxicity tests.

Acute dermal toxicity : LD50 (Rabbit): > 5 g/kg  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

#### **Linalool:**

Acute oral toxicity : LD50 (Rat): 2,790 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 5,610 mg/kg

#### **Lilial:**

Acute oral toxicity : LD50 (Rat): 1,390 mg/kg

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Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

**4-t-Butylcyclohexyl acetate:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

**Linalyl acetate:**

Acute oral toxicity : LD50 (Rat): > 9,000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

**Bornan-2-one:**

Acute oral toxicity : LD50 (Mouse): 1,310 mg/kg

Acute inhalation toxicity : LC50 (Rat): 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402

**Distillates (petroleum), hydrotreated light:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
Remarks: Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: Information given is based on data obtained from similar substances.

**Proprietary Aliphatic Esters:**

Acute oral toxicity : LD50 (Rat): 9,050 mg/kg

**Skin corrosion/irritation**

Causes skin irritation.

**Product:**

Remarks: May cause skin irritation and/or dermatitis.

**Components:**

**3,5,5-trimethylhexyl acetate:**

Result: Irritating to skin.

**Benzyl acetate:**

Species: Rabbit  
Method: Directive 67/548/EEC, Annex V, B.4.  
Result: Possibly irritating to skin  
GLP: yes



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## **Linalool:**

Assessment: Irritating to skin.

Result: Irritating to skin.

## **Lilial:**

Species: Rabbit

Method: OECD Test Guideline 404

Result: Irritating to skin.

## **Linalyl acetate:**

Method: OECD Test Guideline 404

Result: Irritating to skin.

## **Bornan-2-one:**

Result: No skin irritation

Remarks: Information given is based on data obtained from similar substances.

## **Distillates (petroleum), hydrotreated light:**

Result: Repeated exposure may cause skin dryness or cracking.

## **Proprietary Aliphatic Esters:**

Result: Irritating to skin.

## **Serious eye damage/eye irritation**

Causes serious eye irritation.

## **Product:**

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

## **Components:**

### **3,5,5-trimethylhexyl acetate:**

Result: Possibly irritating to eyes

### **Benzyl acetate:**

Species: Rabbit

Result: Possibly irritating to eyes

Method: Directive 67/548/EEC, Annex V, B.5.

GLP: yes

## **Linalool:**

Result: Irritating to eyes.

Assessment: Irritating to eyes.

## **Lilial:**

Species: Rabbit

Result: No eye irritation

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**Linalyl acetate:**

Result: Irritating to eyes.

**Bornan-2-one:**

Result: No eye irritation

Remarks: Information given is based on data obtained from similar substances.

**Distillates (petroleum), hydrotreated light:**

Result: Possibly irritating to eyes

Method: OECD Test Guideline 405

Remarks: Information given is based on data obtained from similar substances.

**Respiratory or skin sensitisation****Skin sensitisation**

May cause an allergic skin reaction.

**Respiratory sensitisation**

Not classified based on available information.

**Product:**

Remarks: May cause allergic skin reaction.

**Components:****3,5,5-trimethylhexyl acetate:**

Result: Did not cause sensitisation on laboratory animals.

**Benzyl acetate:**

Test Type: Maximisation Test

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

**Linalool:**

Result: The product is a skin sensitizer, sub-category 1B.

**Lilial:**

Species: Mouse

Assessment: The product is a skin sensitizer, sub-category 1B.

Method: OECD Test Guideline 429

**4-t-Butylcyclohexyl acetate:**

Result: May cause sensitisation by skin contact.

**Linalyl acetate:**

Result: The product is a skin sensitizer, sub-category 1B.

**Bornan-2-one:**

Result: Not a skin sensitizer.

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Remarks: Information given is based on data obtained from similar substances.  
The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (Chesar models), etc.

## **Distillates (petroleum), hydrotreated light:**

Method: OECD Test Guideline 406

Result: Not a skin sensitizer.

Remarks: Information given is based on data obtained from similar substances.

## **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

#### **Benzyl acetate:**

Genotoxicity in vivo                   : Test Type: In vivo micronucleus test  
Species: Mouse (male)  
Application Route: Intraperitoneal injection  
Result: negative

#### **Lilial:**

Genotoxicity in vitro                 : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
Result: negative

## **Carcinogenicity**

Not classified based on available information.

**IARC**                                       No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**                                      No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**                                        No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## **Reproductive toxicity**

Suspected of damaging fertility.

### **Components:**

#### **Lilial:**

Reproductive toxicity - Assessment                   : Some evidence of adverse effects on sexual function and fertility, based on animal experiments.

## **STOT - single exposure**

May cause damage to organs (Lungs) if inhaled.

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## Components:

### **Bornan-2-one:**

Exposure routes: Inhalation  
Target Organs: Lungs  
Assessment: May cause damage to organs.

### **STOT - repeated exposure**

Not classified based on available information.

### **Aspiration toxicity**

Not classified based on available information.

## Product:

No aspiration toxicity classification

## Components:

### **Distillates (petroleum), hydrotreated light:**

May be fatal if swallowed and enters airways.

### **Further information**

## Product:

Remarks: No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### **Toxicity**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.  
Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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## SECTION 14. TRANSPORT INFORMATION

Dangerous goods descriptions (if indicated below) may not reflect quantity, end-use, or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

### **International Regulations**

#### **IATA-DGR**

Not regulated as a dangerous good

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## **IMDG-Code**

Not regulated as a dangerous good

## **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

## **National Regulations**

### **49 CFR**

Not regulated as a dangerous good

### **49 CFR**

Not regulated as a dangerous good

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## **SECTION 15. REGULATORY INFORMATION**

### **EPCRA - Emergency Planning and Community Right-to-Know Act**

#### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

#### **SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

#### **SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards**           : Flammable (gases, aerosols, liquids, or solids)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitisation  
Reproductive toxicity  
Specific target organ toxicity (single or repeated exposure)

**SARA 313**                       : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### **California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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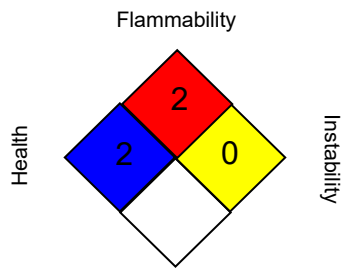
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## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



Special hazard.

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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.

US / EN

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## Glade® VENT OIL CASHMERE WOODS

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### SECTION 1. IDENTIFICATION

Product name : AC GLADE MEMBRANE CASHMERE 24/4 1PK  
Product code : 805978

#### Manufacturer or supplier's details

Company name of supplier : Niteo Products, LLC  
Address : Dallas TX 75225  
Email Address : EHS@niteoproducts.com  
Telephone : 1-844-696-4836  
Emergency telephone number : 1-800-424-9300 / 1-703-741-5970

#### Recommended use of the chemical and restrictions on use

Recommended use : AIR FRESHENER

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Flammable liquids : Category 4  
Skin irritation : Category 2  
Eye irritation : Category 2A  
Skin sensitisation : Category 1

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : Combustible liquid.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.

Precautionary statements : **Prevention:**  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
Wash skin thoroughly after handling.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/ eye protection/ face protection.  
**Response:**  
IF ON SKIN: Wash with plenty of soap and water.

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## Glade® VENT OIL CASHMERE WOODS

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If skin irritation or rash occurs: Get medical advice/ attention.  
If eye irritation persists: Get medical advice/ attention.  
Take off contaminated clothing and wash before reuse.  
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

### Storage:

Store in a well-ventilated place. Keep cool.

### Disposal:

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

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Benzyl acetate	140-11-4	>= 20 - < 30
Linalool	78-70-6	>= 5 - < 10
Distillates (petroleum)	64742-47-8	>= 5 - < 10
Linalyl acetate	115-95-7	>= 5 - < 10
3,5,5-trimethylhexyl acetate	58430-94-7	>= 5 - < 10
2,4-Dimethyl-3-cyclohexenecarboxaldehyde	68039-49-6	>= 1 - < 5
D-Limonene	5989-27-5	>= 1 - < 5
Piperonal	120-57-0	>= 1 - < 5
Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene	144020-22-4	>= 1 - < 5
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one	33704-61-9	>= 1 - < 5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

If inhaled : If breathed in, move person into fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of skin contact : If on clothes, remove clothes.  
Remove contaminated clothing. If irritation develops, get medical attention.  
If on skin, rinse well with water.  
Wash contaminated clothing before re-use.



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- In case of eye contact : If skin irritation persists, call a physician.  
: Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.
- 

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release.  
Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- 

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Remove all sources of ignition.  
Avoid breathing dust.  
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.  
Prevent product from entering drains.  
Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and 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

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/ national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77.  
Keep away from open flames, hot surfaces and sources of ignition.  
Do not spray on a naked flame or any incandescent material.
- Advice on safe handling : Avoid formation of aerosol.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Do not breathe vapours/dust.  
Do not smoke.  
Avoid contact with skin and eyes.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Dispose of rinse water in accordance with local and national regulations.  
Container hazardous when empty.  
Smoking, eating and drinking should be prohibited in the application area.  
For personal protection see section 8.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
No smoking.
- Further information on storage stability : No decomposition if stored and applied as directed.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Benzyl acetate	140-11-4	TWA	10 ppm	ACGIH
Distillates (petroleum)	64742-47-8	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	ACGIH
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL
D-Limonene	5989-27-5	TWA	30 ppm	US WEEL

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### Hazardous components without workplace control parameters

Components	CAS-No.
Linalool	78-70-6
Linalyl acetate	115-95-7
3,5,5-trimethylhexyl acetate	58430-94-7
2,4-Dimethyl-3-cyclohexenecarboxaldehyde	68039-49-6
Piperonal	120-57-0
Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene	144020-22-4
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one	33704-61-9

**Engineering measures** : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

### Personal protective equipment

Hand protection

Remarks : Wear resistant gloves (consult your safety equipment supplier). The suitability for a specific workplace should be discussed with the producers of the protective gloves. Discard gloves that show tears, pinholes, or signs of wear.

Eye protection : Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Wear as appropriate:  
Impervious clothing  
Safety shoes

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
When using do not smoke.  
When using do not eat or drink.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Colour : amber  
Odour : pleasant  
Odour Threshold : not determined  
  
pH : not determined  
  
Melting point/freezing point : not determined  
  
Boiling point/boiling range : not determined  
Flash point : 81 °C  
Method: closed cup  
  
Evaporation rate : not determined

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Flammability (solid, gas) : not determined  
Self-ignition : not determined  
Upper explosion limit / Upper flammability limit : not determined  
Lower explosion limit / Lower flammability limit : not determined  
Vapour pressure : 0.3642 hPa (20 °C)  
Relative vapour density : not determined  
Density : 0.967 g/cm<sup>3</sup> (20 °C)  
Solubility(ies)  
    Water solubility : practically insoluble  
Partition coefficient: n-octanol/water : not determined  
Decomposition temperature : not determined  
Viscosity  
    Viscosity, dynamic : not determined  
    Viscosity, kinematic : not determined  
Molecular weight : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.  
Chemical stability : No decomposition if stored and applied as directed.  
Possibility of hazardous reactions : No decomposition if stored and applied as directed.  
Vapours may form explosive mixture with air.  
Conditions to avoid : Heat, flames and sparks.  
Incompatible materials : Strong oxidizing agents  
Hazardous decomposition products : Carbon oxides

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact  
Ingestion

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg

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Method: Calculation method

**Components:****Benzyl acetate:**

- Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 401
- Acute inhalation toxicity : LCLo (Rat, male and female): > 0.766 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403  
Assessment: No adverse effect has been observed in acute inhalation toxicity tests.
- Acute dermal toxicity : LD50 (Rabbit): > 5 g/kg  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

**Linalool:**

- Acute oral toxicity : LD50 (Rat): 2,790 mg/kg
- Acute dermal toxicity : LD50 (Rabbit): 5,610 mg/kg

**Distillates (petroleum):**

- Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
- Acute dermal toxicity : LD50:

**Linalyl acetate:**

- Acute oral toxicity : LD50 (Rat): > 9,000 mg/kg
- Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

**3,5,5-trimethylhexyl acetate:**

- Acute oral toxicity : LD50 (Rat): 4,250 mg/kg
- Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

**2,4-Dimethyl-3-cyclohexenecarboxaldehyde:**

- Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Remarks: Information given is based on data obtained from similar substances.
- Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Remarks: Information given is based on data obtained from similar substances.

**D-Limonene:**

- Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
- Acute dermal toxicity : LD50 (Rabbit): > 5 g/kg

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**Piperonal:**

Acute oral toxicity : Assessment: The component/mixture is minimally toxic after single ingestion.

**Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

**1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one:**

Acute oral toxicity : LD50 (Rat): 2,901 mg/kg

**Skin corrosion/irritation**

Causes skin irritation.

**Product:**

Remarks: May cause skin irritation and/or dermatitis.

**Components:****Benzyl acetate:**

Species: Rabbit  
Method: Directive 67/548/EEC, Annex V, B.4.  
Result: Possibly irritating to skin  
GLP: yes

**Linalool:**

Assessment: Irritating to skin.  
Result: Irritating to skin.

**Distillates (petroleum):**

Result: Possibly irritating to skin

**Linalyl acetate:**

Method: OECD Test Guideline 404  
Result: Irritating to skin.

**3,5,5-trimethylhexyl acetate:**

Result: Irritating to skin.

**2,4-Dimethyl-3-cyclohexenecarboxaldehyde:**

Species: Rabbit  
Result: Irritating to skin.

**D-Limonene:**

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Result: Irritating to skin.

**Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene:**

Method: Regulation (EC) No. 440/2008, Annex, B.4  
Result: Mild skin irritation

**1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one:**

Method: OECD Test Guideline 439  
Result: Irritating to skin.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Product:**

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

**Components:****Benzyl acetate:**

Species: Rabbit  
Result: Possibly irritating to eyes  
Method: Directive 67/548/EEC, Annex V, B.5.  
GLP: yes

**Linalool:**

Result: Irritating to eyes.  
Assessment: Irritating to eyes.

**Distillates (petroleum):**

Result: Possibly irritating to eyes

**Linalyl acetate:**

Result: Irritating to eyes.

**3,5,5-trimethylhexyl acetate:**

Result: Possibly irritating to eyes

**2,4-Dimethyl-3-cyclohexenecarboxaldehyde:**

Species: Rabbit  
Result: Irritating to eyes.

**D-Limonene:**

Species: Rabbit  
Result: Mild eye irritation  
Method: OECD Test Guideline 405

**Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene:**

Result: Possibly irritating to eyes

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Method: Regulation (EC) No. 440/2008, Annex, B.5

### **1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one:**

Result: Irritating to eyes.

Method: OECD Test Guideline 438

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

May cause an allergic skin reaction.

#### **Respiratory sensitisation**

Not classified based on available information.

#### **Product:**

Remarks: May cause allergic skin reaction.

#### **Components:**

##### **Benzyl acetate:**

Test Type: Maximisation Test

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

##### **Linalool:**

Result: The product is a skin sensitiser, sub-category 1B.

##### **Linalyl acetate:**

Result: The product is a skin sensitiser, sub-category 1B.

##### **3,5,5-trimethylhexyl acetate:**

Result: Did not cause sensitisation on laboratory animals.

##### **2,4-Dimethyl-3-cyclohexenecarboxaldehyde:**

Assessment: May cause sensitisation by skin contact.

##### **D-Limonene:**

Species: Mouse

Assessment: The product is a skin sensitiser, sub-category 1B.

Method: OECD Test Guideline 429

##### **Piperonal:**

Result: May cause sensitisation by skin contact.

##### **Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene:**

Method: OECD Test Guideline 429

Result: The product is a skin sensitiser, sub-category 1B.



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**1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one:**

Method: OECD Test Guideline 429

Result: The product is a skin sensitiser, sub-category 1B.

**Germ cell mutagenicity**

Not classified based on available information.

**Components:****Benzyl acetate:**

Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Species: Mouse (male)  
Application Route: Intraperitoneal injection  
Result: negative

**D-Limonene:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
Result: negative

Genotoxicity in vivo : Test Type: comet assay  
Species: Rat  
Result: negative

**Carcinogenicity**

Not classified based on available information.

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

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### Components:

#### **D-Limonene:**

May be fatal if swallowed and enters airways.

#### **Further information**

### Product:

Remarks: No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### **Toxicity**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.  
Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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## SECTION 14. TRANSPORT INFORMATION

Dangerous goods descriptions (if indicated below) may not reflect quantity, end-use, or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

### **International Regulations**

#### **IATA-DGR**

Not regulated as a dangerous good

#### **IMDG-Code**

Not regulated as a dangerous good

#### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

### **National Regulations**

#### **49 CFR**

Not regulated as a dangerous good

#### **49 CFR**

Not regulated as a dangerous good

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### SECTION 15. REGULATORY INFORMATION

#### EPCRA - Emergency Planning and Community Right-to-Know Act

##### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

##### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitisation

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

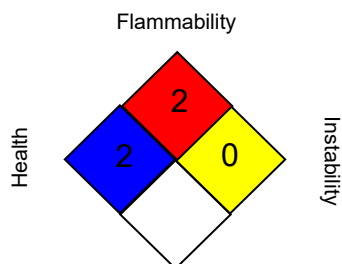
#### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### SECTION 16. OTHER INFORMATION

#### Further information

##### NFPA:



Special hazard.

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