

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® PLUG-INS® CUSTOM SCENT LEATHER AMBER 2 REFILLS 1.34FO/6 US

Version 1.0

Print Date 06/23/2026

Revision Date 03/04/2025

SDS Number 350000047369

GEN_SOF Number 82881

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : GLADE® PLUG-INS® CUSTOM SCENT LEATHER AMBER 2
REFILLS 1.34FO/6 US

Recommended use : Air Freshener

**Manufacturer, importer,
supplier** : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Telephone : +1 8005585252
**Emergency telephone
number** : 24 Hour Medical Emergency Phone: (866)231-5406
24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Flammable liquids	Category 4	Combustible liquid.
Eye irritation	Category 2B	Causes eye irritation.

Labelling

Signal word

Warning

Hazard statements

Combustible liquid.
Causes eye irritation.

Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
In case of fire: Use alcohol-resistant foam, carbon dioxide or dry sand to extinguish.

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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 eye irritation persists: Get medical advice/ attention.

Store in a well-ventilated place. Keep cool.

Dispose of contents/ container to an approved incineration plant.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Wear protective gloves.

Wash hands thoroughly after handling.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Linalool	78-70-6	5.00 - 10.00
Coumarin	91-64-5	1.00 - 5.00
BENZALDEHYDE, 3-ETHOXY-4-HYDROXY-	121-32-4	1.00 - 5.00
d-Limonene	5989-27-5	1.00 - 5.00
Eucalyptus globulus oil	8000-48-4	1.00 - 5.00
Eucalyptol	470-82-6	1.00 - 5.00
2-ETHYL-3-HYDROXY-4-PYRONE	4940-11-8	1.00 - 5.00

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. 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 off with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/ attention.

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Inhalation : No special requirements.

Ingestion : No special requirements

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards during firefighting : Flammable liquid. Vapors are heavier than air and may travel to a source of ignition and flash back. Liquid run-off to sewers may create fire/explosion hazard. Do not use a solid water stream as it may scatter and spread fire. Container may melt and leak in heat of fire.

Further information : Cool and use caution when approaching or handling fire-exposed containers. For large quantities of flammable liquids, consider containment to prevent the spread of fire. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Remove all sources of ignition.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Wear personal protective equipment.
Wash thoroughly after handling.

Environmental precautions : Outside of normal use, avoid release to the environment.

Methods and materials for containment and cleaning up : Use only non-sparking equipment.
Dike large spills.
Clean residue from spill site.

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7. HANDLING AND STORAGE

Handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Contaminated work clothing should not be allowed out of the workplace.
Avoid breathing vapours, mist or gas.
Wash thoroughly after handling.

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.

Storage

Requirements for storage areas and containers : Keep container closed when not in use.
Store in a well-ventilated place. Keep cool.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.

Hand protection : Wear suitable gloves.

Eye protection : Safety glasses with side-shields

Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid
Color	: colourless to light yellow
Odor	: Amber
Odour Threshold	: Test not applicable for this product type
pH	: Mixture is non-polar
Melting point/freezing point	: <-20°C
Initial boiling point and boiling range	: 70 - 140 °C
Flash point	: 81.7 °C 179.06 °F Method: ASTM D 93
Evaporation rate	: Test not applicable for this product type
Flammability (solid, gas)	: Sustains combustion
Upper/lower flammability or explosive limits	: Test not applicable for this product type
Vapour pressure	: 0.15 hPa at 20 °C

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Vapour density	:	> 1	
Relative density	:	0.975 g/cm ³ at 25 °C	
Solubility(ies)	:	immiscible	
Partition coefficient: n-octanol/water	:	Not required as the product is a mixture.	
Auto-ignition temperature	:	not auto-flammable	
Decomposition temperature	:	Not measured as mixture is not self-reactive	
Viscosity, dynamic	:	Test not applicable for this product type	
Viscosity, kinematic	:	similar to water	
Oxidizing properties	:	Test not applicable for this product type	
Volatile Organic Compounds Total VOC (wt. %)*	:	81.6 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	
Other information	:	None identified	:

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
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- Chemical stability** : Stable under recommended storage conditions.
- Possibility of hazardous reactions** : Stable under recommended storage conditions.
- Conditions to avoid** : Heat, flames and sparks.
- Incompatible materials** : Strong oxidizing agents
- Incompatible materials** : Strong oxidizing agents
- Hazardous decomposition products** : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

- Emergency Overview** : Warning
- Acute oral toxicity** : LD50 > 5000 mg/kg
- Acute inhalation toxicity** : LC50 > 10 mg/L
- Acute dermal toxicity** : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas

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Skin irritation	No classification proposed	-
Eye irritation	Category 2B	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : None known.

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Linalool	static test LC50	Oncorhynchus mykiss (rainbow trout)	27.8 mg/l	96 h

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	Measured			
Coumarin	LC50 QSAR	Fish	1.324 mg/l	96 h
BENZALDEHYDE, 3-ETHOXY-4-HYDROXY-	flow-through test LC50	Pimephales promelas (fathead minnow)	87.6 mg/l	96 h
d-Limonene	semi-static test LC50 OECD Test Guideline 203	Pimephales promelas (fathead minnow)	0.41 mg/l	96 h
	semi-static test NOEC	Pimephales promelas (fathead minnow)	0.059 mg/l	8 d
Eucalyptus globulus oil	semi-static test LL50 Read-across (Analogy) OECD Test Guideline 203	Oncorhynchus mykiss (rainbow trout)	4.2 mg/l	96 h
Eucalyptol	semi-static test LC50	Oncorhynchus mykiss (rainbow trout)	57 mg/l	96 h

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2-ETHYL-3-HYDROXY-4-PYRONE	semi-static test LC50 Measured	Oncorhynchus mykiss (rainbow trout)	> 85 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Linalool	EC50	Daphnia magna (Water flea)	20 mg/l	48 h
Coumarin	EC50 Measured	Daphnia magna (Water flea)	30.6 mg/l	48 h
BENZALDEHYDE, 3-ETHOXY-4-HYDROXY-	EC50 Read-across (Analogy)	Daphnia magna (Water flea)	36.79 mg/l	48 h
	NOEC Read-across (Analogy)	Daphnia magna	5.9 mg/l	21 d
d-Limonene	static test EC50	Daphnia magna (Water flea)	0.36 mg/l	48 h

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	semi-static test NOEC Measured	Daphnia magna	0.08 mg/l	21 d
Eucalyptus globulus oil	EC50 (calculated)		1.02 mg/l	48 h
Eucalyptol	static test EC50	Daphnia magna (Water flea)	> 100 mg/l	48 h
2-ETHYL-3-HYDROXY-4-PYRONE	static test EC50	Daphnia magna (Water flea)	27 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Linalool	static test EC50	Desmodesmus subspicatus (green algae)	156.7 mg/l	96 h
Coumarin	estimated NOEC QSAR	algae	0.431 mg/l	72 h

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BENZALDEHYDE, 3-ETHOXY-4-HYDROXY-	ErC50 Read-across (Analogy)	Pseudokirchneriella subcapitata (green algae)	120 mg/l	72 h
d-Limonene	static test NOEC OECD Test Guideline 201	Pseudokirchneriella subcapitata (green algae)	0.05 mg/l	72 h
Eucalyptus globulus oil	EC50 (calculated)		1.64 mg/l	
Eucalyptol	static test EC50	Pseudokirchneriella subcapitata (green algae)	> 74 mg/l	72 h
2-ETHYL-3-HYDROXY-4-PYRONE	Static NOEC Measured	Raphidocelis subcapitata (freshwater green alga)	0.77 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Linalool	64.2 %	28 d	Readily biodegradable.
Coumarin	100 %	28 d	Readily biodegradable.
BENZALDEHYDE, 3-ETHOXY-4-HYDROXY-	No data available		
d-Limonene	80 %	28 d	Readily biodegradable.
Eucalyptus globulus oil	No data available		Readily biodegradable.
Eucalyptol	82 %	28 d	Readily biodegradable.
2-ETHYL-3-HYDROXY-4-PYRONE	100 %	28 d	Readily biodegradable.

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Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Linalool	42	2.84 Measured
Coumarin	26	1.39
BENZALDEHYDE, 3-ETHOXY-4-HYDROXY-	No data available	1.61
d-Limonene	1,022 QSAR	4.38
Eucalyptus globulus oil	852.9	4.42
Eucalyptol	112	3.4
2-ETHYL-3-HYDROXY-4-PYRONE		2.9

Mobility

Component	End point	Value
Linalool	Koc	75 Measured -
Coumarin	Koc	43
BENZALDEHYDE, 3-ETHOXY-4-HYDROXY-		-
d-Limonene	Koc	6324 -
Eucalyptus globulus oil	Koc	49
Eucalyptol	log Koc	2.33 -
2-ETHYL-3-HYDROXY-4-PYRONE		-

PBT and vPvB assessment

Component	Results
Linalool	Not fulfilling PBT and vPvB criteria

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Coumarin	Not fulfilling PBT and vPvB criteria
BENZALDEHYDE, 3-ETHOXY-4-HYDROXY-	Not fulfilling PBT and vPvB criteria
d-Limonene	Not fulfilling PBT and vPvB criteria
Eucalyptus globulus oil	Not fulfilling PBT and vPvB criteria
Eucalyptol	Not fulfilling PBT and vPvB criteria
2-ETHYL-3-HYDROXY-4-PYRONE	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Notification status : All ingredients of this product are listed or are excluded from

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listing on the U.S. Toxic Substances Control Act (TSCA)
Chemical Substance Inventory.

California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.

State Right To Know

No components are subject to the Massachusetts Right to Know Act.		
No components are subject to the Massachusetts Right to Know Act.		
No components are subject to the Minnesota "Right To Know" Act		
No components are subject to the Minnesota "Right To Know" Act		
No components are subject to the New Jersey "Right To Know" Act		
No components are subject to the New Jersey "Right To Know" Act		
Pennsylvania RTKL		
	Linalool	78-70-6
	Linalool	78-70-6

16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	1
Reactivity	0

NFPA Ratings

Health	1
Fire	1
Reactivity	0
Special	-

This information is being provided in accordance with the Occupational Safety and Health Administration

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(OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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