

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



GLADE® PLUG-INS® SCENTED OIL - COSTAL CITRUS SUNSHINE™

Version 1.2

Print Date 10/23/2025

Revision Date 05/22/2023

SDS Number 350000038053

GEN_SOF Number 68282

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : GLADE® PLUG-INS® SCENTED OIL - COSTAL CITRUS SUNSHINE™

Recommended use : Air Freshener

Restrictions on use : Use only as directed on label

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

Telephone : +1-800-558-5252

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.
Serious eye damage/eye irritation	Category 2B	Causes eye irritation.

Labelling

Hazard symbols
Exclamation mark

Signal word
Warning

Hazard statements
Combustible liquid.
Causes eye irritation.

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May cause an allergic skin reaction.

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.

Specific treatment (see supplemental first aid instructions on this label).

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/ attention.

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.

Wash contaminated clothing before reuse.

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.

Avoid breathing spray.

Wash hands thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Citral	5392-40-5	1.00 - 5.00
Fragrance - Trade Secret	Mixture	60.00 - 100.00

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

Description of 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.

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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.

Inhalation : No special requirements.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

Eyes : May irritate eyes.

Skin effect : May cause allergic skin reaction.
Causes skin irritation.
No adverse effects expected when used as directed.

Inhalation : May cause allergic respiratory reaction.

Ingestion : May cause irritation to mouth, throat and stomach.
May cause abdominal discomfort.
No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

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. 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

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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. |

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. |

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Citral	5392-40-5	-	5 ppm	-	ACGIH TWA

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Citral	5392-40-5	-	5 ppm	-	ACGIH TWA

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : light yellow to yellow

Odour : Citrus

Odour Threshold : Test not applicable for this product type

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pH	: Mixture is non-polar
Melting point/freezing point	: <-20°C
Initial boiling point and boiling range	: 70 - 140 °C
Flash point	: 82 °C 179.6 °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	: Not determined as it does not affect the liquid flammability classification. Flash point is used for classification of flammable liquids.
Vapour pressure	: 0.7488 hPa at 20 °C
Vapour density	: > 1
Relative density	: 0.956 g/cm ³ at 25 °C
Solubility(ies)	: immiscible
Partition coefficient: n-octanol/water	: Not required as the product is a mixture.

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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 : 87.2 % - additional exemptions may apply
Total VOC (wt. %)* *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.

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

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

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11. TOXICOLOGICAL INFORMATION

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
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/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	-

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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
Citral	static test LC50	Leuciscus idus (Golden orfe)	6.78 mg/l	96 h
Fragrance - Trade Secret	No data available			

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Citral	static test EC50	Daphnia magna (Water flea)	6.8 mg/l	48 h
Fragrance - Trade Secret	No data available			

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Citral	EC50	Desmodesmus	16 mg/l	72 h

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		subspicatus		
Fragrance - Trade Secret	No data available			

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Citral	85 - 95 %	28 d	Readily biodegradable.
Fragrance - Trade Secret	No data available		

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Citral	89.72	2.76
Fragrance - Trade Secret	No data available	No data available

Mobility

Component	End point	Value
Citral	Koc	147.7
Fragrance - Trade Secret	No data available	

PBT and vPvB assessment

Component	Results
Citral	Not fulfilling PBT and vPvB criteria
Fragrance - Trade Secret	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.

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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 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.

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16. OTHER INFORMATION**HMIS Ratings**

Health	2
Flammability	2
Reactivity	0

NFPA Ratings

Health	2
Fire	2
Reactivity	0
Special	-

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