

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**OFF! BOTANICALS TOWELETTES (EPA Reg. No. 4822-526)**

Version 2.0

Print Date 08/18/2021

Revision Date 11/27/2019

SDS Number 350000032747

GEN_SOF Number 60184

1. PRODUCT AND COMPANY IDENTIFICATION**Product information****Product name** : OFF! BOTANICALS TOWELETTES (EPA Reg. No. 4822-526)**Recommended use** : Insect Repellent**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 1	Extremely flammable liquid and vapour.

Labelling

Hazard symbols

Flame

Signal word

Danger

Hazard statements

Extremely flammable liquid and vapour.

Precautionary statements

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

1/13

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



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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.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ ventilating/ lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Ethyl alcohol	64-17-5	60.00 - 100.00
p-Menthane-3,8-Diol	42822-86-6	5.00 - 10.00
Titanium Dioxide	13463-67-7	0.10 - 1.00

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 : No special requirements

Skin contact : If you suspect a reaction to this product, discontinue use and remove contaminated clothing.

Inhalation : No special requirements.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

2/13

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



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Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing : Use water spray, alcohol-resistant foam, dry chemical or **media** 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. Do not allow run-off from fire fighting to enter drains or water courses.

Further information : Fight fire from maximum distance or protected area. 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 : Do not flush into surface water or sanitary sewer system.
Use appropriate containment to avoid environmental contamination.
Outside of normal use, avoid release to the environment.

Methods and materials : Soak up with inert absorbent material. **for**
containment and Use only non-sparking equipment. **cleaning up**
Dike large spills.

3/13

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



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Version 2.0

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GEN_SOF Number 60184

Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe : Avoid contact with eyes and lips. **handling**

For personal protection see section 8.

Use only as directed.

KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion

: Keep away from sources of ignition - No smoking.

Take measures to prevent the build up of electrostatic charge.

Use only non-sparking tools.

Use explosion-proof equipment.

Ground/bond container and receiving equipment.

Storage

Requirements for storage areas and containers

: Keep away from food, drink and animal feedingstuffs.

Keep tightly closed.

Store in a well-ventilated place. Keep cool.

Other data

: Stable under recommended storage conditions.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

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Revision Date 11/27/2019

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GEN_SOF Number 60184

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits**

Components	CAS-No.	mg/m ³	ppm	Nonstandard units	Basis
Ethyl alcohol	64-17-5	1,900 mg/m ³	1,000 ppm	-	OSHA TWA
Ethyl alcohol	64-17-5	-	1,000 ppm	-	ACGIH STEL
Titanium Dioxide	13463-67-7	15 mg/m ³	-	-	OSHA TWA
Titanium Dioxide	13463-67-7	10 mg/m ³	-	-	ACGIH TWA

Personal protective equipment**Respiratory protection** : Do not spray in enclosed areas.**Hand protection** : No special requirements.**Eye protection** : No special requirements.**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	: woven fabric
Color	: colourless
Odour	: Alcohol Odor
Odour Threshold	: Test not applicable for this product type

5/13

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF! BOTANICALS TOWELETTES (EPA Reg. No. 4822-526)

Version 2.0

Print Date 08/18/2021

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GEN_SOF Number 60184

pH : Test not applicable for this product type

Melting point/freezing point : Test not applicable for this product type

Initial boiling point and boiling range : Test not applicable for this product type

Flash point : 56.8 °F

Method: Tag Closed Cup (TCC)

Evaporation rate : Test not applicable for this product type

Flammability (solid, gas) : Test not applicable for this product type

Upper/lower flammability or explosive limits : Test not applicable for this product type

Vapour pressure : Test not applicable for this product type

Vapour density : Test not applicable for this product type

Relative density : Test not applicable for this product type

Solubility(ies) : dispersible

Partition coefficient: n-octanol/water : Test not applicable for this product type

Auto-ignition temperature : not auto-flammable

Safety Data Sheet

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Version 2.0

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GEN_SOF Number 60184

Decomposition temperature : Test not applicable for this product type**Viscosity, dynamic** : similar to water**Viscosity, kinematic** : similar to water**Oxidizing properties** : Test not applicable for this product type**Volatile Organic Compounds** : 71.8 % - 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****Possibility of hazardous reactions** : Stable under recommended storage conditions.**Conditions to avoid** : Heat, flames and sparks.**Incompatible materials** : Strong oxidizing agents**Hazardous decomposition products** and vapours. : Thermal decomposition can lead to release of irritating gases

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 > 5,000 mg/kg **Acute**
inhalation toxicity : LC50 > 10 mg/L

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

GHS Properties	Classification	Routes of entry
7/13		

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF! BOTANICALS TOWELETTES (EPA Reg. No. 4822-526)

Version 2.0

Print Date 08/18/2021

Revision Date 11/27/2019

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GEN_SOF Number 60184

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	No classification proposed	-
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 : Do not apply to cuts or irritated skin. **Condition**

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

8/13

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF! BOTANICALS TOWELETTES (EPA Reg. No. 4822-526)

Version 2.0

Print Date 08/18/2021

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SDS Number 350000032747

GEN_SOF Number 60184

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
Ethyl alcohol	LC50	Fish	11,200 mg/l	96 h
p-Menthane-3,8-Diol	semi-static test LC50 Measured OECD Test Guideline 203	Danio rerio (zebra fish)	62 mg/l	96 h
Titanium Dioxide	No data available			

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Ethyl alcohol	static test LC50	Ceriodaphnia dubia	5,012 mg/l	48 h
	NOEC	Daphnia magna	9.6 mg/l	9 d
	static test	Daphnia magna (Water	68 mg/l	48 h
p-Menthane-3,8-Diol				

Safety Data Sheet

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Version 2.0

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Revision Date 11/27/2019

SDS Number 350000032747

GEN_SOF Number 60184

	EC50 Measured OECD Test Guideline 202	flea)		
Titanium Dioxide	EC50	Daphnia magna (Water flea)	> 500 mg/l	48 h
	NOEC	Daphnia magna	> 2.92 mg/l	21 d

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Ethyl alcohol	Static EC50	Chlorella vulgaris (Fresh water algae)	275 mg/l	72 h
p-Menthane-3,8-Diol	EC50 Measured	Desmodesmus subspicatus (green algae)	52 mg/l	72 h
Titanium Dioxide	static test EC50	Pseudokirchneriella subcapitata	61 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Ethyl alcohol	97 %	28 d	Readily biodegradable.
p-Menthane-3,8-Diol	75 %	28 d	Readily biodegradable.
Titanium Dioxide	No data available		

Bioaccumulative potential

Component	Bioconcentration	Partition Coefficient n-
10/13		

OFF! BOTANICALS TOWELETTES (EPA Reg. No. 4822-526)

Version 2.0

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Revision Date 11/27/2019

SDS Number 350000032747
GEN_SOF Number 60184

	factor (BCF)	Octanol/water (log)
Ethyl alcohol	3.2 estimated	-0.35 Measured
p-Menthane-3,8-Diol	14.95 estimated	1.8 - 4.0
Titanium Dioxide	No data available	No data available

Mobility

Component	End point	Value
Ethyl alcohol	No data available	
p-Menthane-3,8-Diol	No data available	
Titanium Dioxide	No data available	

PBT and vPvB assessment

Component	Results
Ethyl alcohol	Not fulfilling PBT and vPvB criteria
p-Menthane-3,8-Diol	Not fulfilling PBT and vPvB criteria
Titanium Dioxide	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

PESTICIDAL WASTE:

For disposal information, please read and follow Disposal instructions on the pesticide label.
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.

11/13

Safety Data Sheet

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	Land transport	Sea transport	Air transport
UN number	3175	3175	3175
UN proper shipping name	Solids Containing Flammable Liquid, n.o.s. (Ethyl Alcohol)	Solids Containing Flammable Liquid, n.o.s. (Ethyl Alcohol)	Solids Containing Flammable Liquid, n.o.s. (Ethyl Alcohol)
Transport hazard class(es)	4.1	4.1	4.1
Packing group	II	II	II
Environmental hazards	-	-	-
Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

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.

12/13

Safety Data Sheet
according to Hazard Communication Standard; 29 CFR 1910.1200



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16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	3
Reactivity	0

NFPA Ratings

Health	1
Fire	3
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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