

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)

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 |
|-----------------------|-----------------|-----------------------------------------------------|
| Aerosol | Category 2 | Flammable aerosol. |
| Eye irritation | Category 2A | Causes serious eye irritation. |
| Gases under pressure | Compressed gas | Contains gas under pressure; may explode if heated. |

Labelling

Hazard symbols

Flame
Gas cylinder
Exclamation mark

Signal word

Warning

Hazard statements

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

Flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes serious 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.
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
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.
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.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Store in a well-ventilated place.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Protect from sunlight. Store in a well-ventilated place.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Wash hands thoroughly after handling.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Wash hands thoroughly after handling.

Other hazards : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS-No. | Weight percent |
|---------------|---------|----------------|
| Ethyl alcohol | 64-17-5 | 30.00 - 60.00 |

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

| | | |
|-----------|-------------|---------------|
| Icaridine | 119515-38-7 | 10.00 - 30.00 |
| Butane | 106-97-8 | 1.00 - 5.00 |
| Propane | 74-98-6 | 1.00 - 5.00 |
| Isobutane | 75-28-5 | 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

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.
- 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

- Eyes** : Causes serious eye irritation.
- Skin effect** : No adverse effects expected when used as directed.
- Inhalation** : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
- 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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Aerosol Product - Containers may rocket or explode 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. 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.
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 for containment and cleaning up** : If damage occurs to aerosol can:
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Use only non-sparking equipment.
Dike large spills.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

Precautions for safe handling

: Avoid contact with eyes and lips.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Pressurized container.
Do not pierce or burn, even after use.
Wash thoroughly after handling.

Advice on protection against fire and explosion

: Keep away from sources of ignition - No smoking.
Do not spray on an open flame or other ignition source.

Storage

Requirements for storage areas and containers

: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Keep away from food, drink and animal feedingstuffs.
Keep in a dry, cool and well-ventilated place.

Requirements for storage areas and containers

: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Keep away from food, drink and animal feedingstuffs.
Keep in a dry, cool and well-ventilated place.
Protect from sunlight.
Store in a well-ventilated place.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)**

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

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

| Components | CAS-No. | mg/m3 | ppm | Non-standard units | Basis |
|---------------|----------|-------------|-----------|--------------------|------------|
| Ethyl alcohol | 64-17-5 | 1,900 mg/m3 | 1,000 ppm | - | OSHA TWA |
| Ethyl alcohol | 64-17-5 | - | 1,000 ppm | - | ACGIH STEL |
| Butane | 106-97-8 | - | 1,000 ppm | - | ACGIH STEL |
| Propane | 74-98-6 | 1,800 mg/m3 | 1,000 ppm | - | OSHA TWA |
| Propane | 74-98-6 | - | - | - | ACGIH TWA |
| Isobutane | 75-28-5 | - | 1,000 ppm | - | ACGIH STEL |

Personal protective equipment**Respiratory protection** : Do not spray in enclosed areas.**Hand protection** : No special requirements.**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** : aerosol**Color** : translucent to light yellow

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

| | |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Odour | : solvent-like |
| Odour Threshold | : Test not applicable for this product type |
| pH | : 10.4 |
| 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 | : $\geq 21\text{ }^{\circ}\text{C}$ $\geq 69.8\text{ }^{\circ}\text{F}$ $-7\text{ }^{\circ}\text{C}$ $19.4\text{ }^{\circ}\text{F}$ Propellant |
| 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 | : Test not applicable for this product type |
| Vapour density | : Test not applicable for this product type |
| Relative density | : 0.86 g/cm^3 at $21\text{ }^{\circ}\text{C}$ |
| Solubility(ies) | : slightly soluble |
| Partition coefficient: n-octanol/water | : Test not applicable for this product type |

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

| | | |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---|
| Auto-ignition temperature | : not auto-flammable | |
| Decomposition temperature | : Test not applicable for this product type | |
| Viscosity, dynamic | : Test not applicable for this product type | |
| Viscosity, kinematic | : Test not applicable for this product type | |
| Oxidizing properties | : Test not applicable for this product type | |
| Volatile Organic Compounds Total VOC (wt. %)* | : 64.5 % - 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. |
| Chemical stability | : Stable under recommended storage conditions. |
| Possibility of hazardous reactions | : If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated. |
| Conditions to avoid | : Heat, flames and sparks. |
| Incompatible materials | : Strong oxidizing agents Do not mix with bleach or any other household cleaners. Strong bases |

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)**

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

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

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 | - |
| Eye irritation | Category 2A | - |
| 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 | No classification proposed | - |

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)**

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

| | | |
|------------------------------|----------------------------|---|
| toxicity - repeated exposure | | |
| Aspiration hazard | No classification proposed | - |

Aggravated Medical Condition : Do not apply to cuts or irritated skin.

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 |
|---------------|----------------------------------------------------------------------------------------------------------|-------------------------------------|-------------|---------------|
| Ethyl alcohol | LC50 | Fish | 11,200 mg/l | 96 h |
| Icaridine | LC50 | Oncorhynchus mykiss (rainbow trout) | 173 mg/l | 96 h |
| | flow-through test NOEC Measured OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test) | Danio rerio (zebra fish) | 3.19 mg/l | 32 d |
| Butane | LC50 QSAR | Fish | 27.98 mg/l | 96 h |

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)**

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

| | | | | |
|-----------|--------------|------|------------|------|
| | | | | |
| Propane | LC50 | Fish | 27.98 mg/l | 96 h |
| Isobutane | LC50 QSAR | Fish | 27.98 mg/l | 96 h |

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 |
| Icaridine | EC50 | Daphnia magna (Water flea) | > 100 mg/l | 48 h |
| Butane | EC50 QSAR | Daphnid | 14.22 mg/l | 48 h |
| Propane | LC50 | Daphnid | 14.22 mg/l | 48 h |
| Isobutane | LC50 QSAR | Daphnid | 16.33 mg/l | 48 h |

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)**

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

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 |
| Icaridine | | | | |
| Butane | EC50 QSAR | Green algae | 7.71 mg/l | 96 h |
| Propane | No data available | | | |
| Isobutane | EC50 QSAR | Green algae | 8.57 mg/l | 96 h |

Persistence and degradability

| Component | Biodegradation | Exposure time | Summary |
|---------------|----------------|---------------|----------------------------|
| Ethyl alcohol | 97 % | 28 d | Readily biodegradable. |
| Icaridine | < 1 % | 28 d | Not readily biodegradable. |
| Butane | 100 % | 385.5 h | Readily biodegradable. |
| Propane | 70 % | < 10 d | Readily biodegradable. |
| Isobutane | 70 % | < 10 d | Readily biodegradable. |

Bioaccumulative potential

| Component | Bioconcentration factor (BCF) | Partition Coefficient n-Octanol/water (log) |
|---------------|-------------------------------|---------------------------------------------|
| Ethyl alcohol | 3.2 estimated | -0.35 Measured |
| Icaridine | No data available | No data available |
| Butane | No data available | 2.89 |
| Propane | No data available | 2.36 |

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)**

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

| | | |
|-----------|-------------|-----|
| Isobutane | 1.57 - 1.97 | 2.8 |
|-----------|-------------|-----|

Mobility

| Component | End point | Value |
|---------------|-------------------|-------|
| Ethyl alcohol | No data available | |
| Icaridine | Koc | 1.9 |
| Butane | No data available | |
| Propane | No data available | |
| Isobutane | No data available | |

PBT and vPvB assessment

| Component | Results |
|---------------|--------------------------------------|
| Ethyl alcohol | Not fulfilling PBT and vPvB criteria |
| Icaridine | Not fulfilling PBT and vPvB criteria |
| Butane | Not fulfilling PBT and vPvB criteria |
| Propane | Not fulfilling PBT and vPvB criteria |
| Isobutane | 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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)**

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

| | Land transport | Sea transport | Air transport |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| UN number | 1950 | 1950 | 1950 |
| UN proper shipping name | AEROSOLS, Flammable | AEROSOLS, Flammable | AEROSOLS, Flammable |
| Transport hazard class(es) | 2.1 | 2 | 2.1 |
| Packing group | - | - | - |
| 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**FIFRA Labeling**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

WARNING:

Causes substantial but temporary eye injury.

Use of this product may cause skin reactions in rare cases.

Flammable

Contents under pressure.

Exposure to temperatures above 130° F may cause bursting.

Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA)

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

Chemical Substance Inventory.

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

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

16. OTHER INFORMATION

HMIS Ratings

| | |
|--------------|---|
| Health | 2 |
| Flammability | 4 |
| Reactivity | 0 |

NFPA Ratings

| | |
|------------|---|
| Health | 2 |
| Fire | 4 |
| 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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



OFF!® CLEAN FEEL INSECT REPELLENT I (EPA Reg. No. 4822-564)

Version 2.0

Print Date 03/02/2022

Revision Date 12/06/2021

SDS Number 350000017395

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