

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



# STEM KILLS ANTS ROACHES SPIDERS

Version 1.1

Print Date 06/10/2021

Revision Date 01/18/2021

SDS Number 350000039427

GEN\_SOF Number 70548

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product information

**Product name** : STEM KILLS ANTS ROACHES SPIDERS

**Recommended use** : Insecticide

**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 Aerosol     | Category 2      | Flammable aerosol.                                  |
| Serious eye damage    | Category 2A     | Causes serious eye irritation.                      |
| Skin sensitisation    | Category 1B     | May cause an allergic skin reaction.                |
| Gases under pressure  | Compressed gas  | Contains gas under pressure; may explode if heated. |

### Labelling

#### Hazard symbols

Flame  
Gas cylinder  
Exclamation mark

#### Signal word

Warning

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### Hazard statements

Flammable aerosol.

Contains gas under pressure; may explode if heated.

Causes serious eye irritation.

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.

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.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Protect from sunlight. Store in a well-ventilated place.

Dispose of contents/ container to an approved incineration plant.

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/ eye protection/ face protection.

Avoid breathing spray.

Wash hands thoroughly after handling.

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

**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 |
|--------------------------------|-----------|----------------|
| White Mineral Oil, (Petroleum) | 8042-47-5 | 30.00 - 60.00  |
| Isopropyl Myristate            | 110-27-0  | 30.00 - 60.00  |
| Ethyl (L)-lactate              | 687-47-8  | 10.00 - 30.00  |

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|                |          |              |
|----------------|----------|--------------|
| Geraniol       | 106-24-1 | 5.00 - 10.00 |
| Carbon dioxide | 124-38-9 | 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](http://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** : Wash off with plenty of water. 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** : Causes serious eye irritation.
- Skin effect** : May cause allergic skin reaction.  
No adverse effects expected when used as directed.
- Inhalation** : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.  
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.

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**5. FIREFIGHTING MEASURES**

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Do not use a solid water stream as it may scatter and spread fire. 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.

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**7. HANDLING AND STORAGE**

**Handling**

**Precautions for safe handling**

: Avoid contact with skin, eyes and clothing.  
Do not enter places where used or stored until adequately ventilated.  
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.  
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.  
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.

**Other data**

: Stable at normal ambient temperature and pressure.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

| Components                     | CAS-No.   | mg/m <sup>3</sup>       | ppm        | Non-standard units | Basis      |
|--------------------------------|-----------|-------------------------|------------|--------------------|------------|
| White Mineral Oil, (Petroleum) | 8042-47-5 | 5 mg/m <sup>3</sup>     | -          | -                  | OSHA TWA   |
| Carbon dioxide                 | 124-38-9  | 9,000 mg/m <sup>3</sup> | 5,000 ppm  | -                  | OSHA TWA   |
| Carbon dioxide                 | 124-38-9  | -                       | 30,000 ppm | -                  | ACGIH STEL |
| Carbon dioxide                 | 124-38-9  | -                       | 5,000 ppm  | -                  | ACGIH TWA  |

**Personal protective equipment**

**Respiratory protection** : Do not spray in enclosed areas.

**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** : aerosol

**Color** : colourless

**Odour** : Citrus

**Odour Threshold** : Test not applicable for this product type

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**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** : 68 °C  
154.4 °F  
Method: Tag Closed Cup (TCC)

**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** : 0.8491 g/cm<sup>3</sup> at 21 °C

**Solubility(ies)** : insoluble

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

**Auto-ignition temperature** : not auto-flammable

**Decomposition temperature** : Test not applicable for this product type

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|  |  |   |
|--|--|---|
| <b>Viscosity, dynamic</b>                            | : 12.4 mPa.s<br>Test not applicable for this product type  |   |
| <b>Viscosity, kinematic</b>                          | : Test not applicable for this product type  |   |
| <b>Oxidizing properties</b>                          | : Test not applicable for this product type  |   |
| <b>Volatile Organic Compounds Total VOC (wt. %)*</b> | : 15 % - additional exemptions may apply<br>*as defined by US Federal and State Consumer Product Regulations |   |
| <b>Other information</b>                             | : None identified  | : |

**10. STABILITY AND REACTIVITY**

|   |  |
|---|--|
| <b>Reactivity</b>                         | : No dangerous reaction known under conditions of normal use.                |
| <b>Chemical stability</b>                 | : Stable under recommended storage conditions.                               |
| <b>Possibility of hazardous reactions</b> | : Stable under recommended storage conditions.                               |
| <b>Conditions to avoid</b>                | : Heat, flames and sparks.   |
| <b>Incompatible materials</b>             | : Strong oxidizing agents  |
| <b>Hazardous decomposition products</b>   | : 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 2854 mg/kg

| <b>GHS Properties</b>                              | <b>Classification</b>      | <b>Routes of entry</b>     |
|--|----------------------------|----------------------------|
| 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                                 | Category 2A                | -                          |
| Skin sensitisation                                 | Category 1B                | -                          |
| 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 |
|--------------------------------|-----------------------|-------------------------------------|------------|---------------|
| White Mineral Oil, (Petroleum) | LC50                  | Oncorhynchus mykiss (rainbow trout) | > 100 mg/l | 96 h          |
| Isopropyl Myristate            | LC50                  | Danio rerio (zebra fish)            | 8,400 mg/l | 96 h          |
| Ethyl (L)-lactate              | semi-static test LC50 | Danio rerio (zebra fish)            | 320 mg/l   | 96 h          |
| Geraniol                       | static test LC50      | Danio rerio (zebra fish)            | 22 mg/l    | 96 h          |
| Carbon dioxide                 | No data available     |                                     |            |               |

**Toxicity to aquatic invertebrates**

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| Components                     | End point             | Species                    | Value      | Exposure time |
|--------------------------------|-----------------------|----------------------------|------------|---------------|
| White Mineral Oil, (Petroleum) | LC50                  | Daphnia magna (Water flea) | > 100 mg/l | 48 h          |
| Isopropyl Myristate            | EC50                  | Daphnia magna (Water flea) | 100 mg/l   | 48 h          |
| Ethyl (L)-lactate              | EC50                  | Daphnia magna (Water flea) | 683 mg/l   | 48 h          |
| Geraniol                       | semi-static test EC50 | Daphnia magna (Water flea) | 7.75 mg/l  | 48 h          |
| Carbon dioxide                 | No data available     |                            |            |               |

**Toxicity to aquatic plants**

| Components                     | End point         | Species                                       | Value       | Exposure time |
|--------------------------------|-------------------|---|-------------|---------------|
| White Mineral Oil, (Petroleum) | NOEC              | Green algae                                   | >= 100 mg/l | 72 h          |
| Isopropyl Myristate            | EC50              | Desmodemus subspicatus                        | > 100 mg/l  | 72 h          |
| Ethyl (L)-lactate              | No data available |   |             |               |
| Geraniol                       | static test ErC50 | Scenedesmus capricornutum (fresh water algae) | 5.36 mg/l   | 72 h          |

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|                |                   |  |  |  |
|----------------|-------------------|--|--|--|
| Carbon dioxide | No data available |  |  |  |
|----------------|-------------------|--|--|--|

**Persistence and degradability**

| Component                      | Biodegradation    | Exposure time | Summary                    |
|--------------------------------|-------------------|---------------|----------------------------|
| White Mineral Oil, (Petroleum) | 50 %              | 28 d          | Not readily biodegradable. |
| Isopropyl Myristate            | 91.4 %            | 28 d          | Readily biodegradable.     |
| Ethyl (L)-lactate              | No data available |               |                            |
| Geraniol                       | 82 %              | 28 d          | Readily biodegradable.     |
| Carbon dioxide                 | No data available |               |                            |

**Bioaccumulative potential**

| Component                      | Bioconcentration factor (BCF) | Partition Coefficient n-Octanol/water (log) |
|--------------------------------|-------------------------------|---|
| White Mineral Oil, (Petroleum) | No data available             | > 6   |
| Isopropyl Myristate            | 1,220.1                       | 7.71  |
| Ethyl (L)-lactate              | No data available             | 0.06  |
| Geraniol                       | No data available             | 2.6   |
| Carbon dioxide                 | No data available             | No data available                           |

**Mobility**

| Component                      | End point         | Value |
|--------------------------------|-------------------|-------|
| White Mineral Oil, (Petroleum) | No data available |       |
| Isopropyl Myristate            | log Koc           | 4.08  |
| Ethyl (L)-lactate              | No data available |       |
| Geraniol                       | Koc               | 70.79 |
| Carbon dioxide                 | No data available |       |

**PBT and vPvB assessment**

| Component                      | Results                              |
|--------------------------------|--------------------------------------|
| White Mineral Oil, (Petroleum) | Not fulfilling PBT and vPvB criteria |

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|                     |                                      |
|---------------------|--------------------------------------|
| Isopropyl Myristate | Not fulfilling PBT and vPvB criteria |
| Ethyl (L)-lactate   | Not fulfilling PBT and vPvB criteria |
| Geraniol            | Not fulfilling PBT and vPvB criteria |
| Carbon 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.

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|   | Land transport   | Sea transport  | Air transport  |
|---|--|--|--|
| <b>UN number</b>  | 1950   | 1950   | 1950   |
| <b>UN proper shipping name</b>  | AEROSOLS,<br>Flammable   | AEROSOLS,<br>Flammable   | AEROSOLS,<br>Flammable   |
| <b>Transport hazard class(es)</b>   | 2.1  | 2  | 2.1  |
| <b>Packing group</b>  | -  | -  | -  |
| <b>Environmental hazards</b>  | -  | -  | -  |
| <b>Special precautions for user</b>   | 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. |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | 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 that qualifies for exemption from regulation under the Federal Insecticide, Fungicide, and Rodenticide Act and has not been registered by the Environmental Protection Agency. It is subject to certain labeling requirements, and these requirements may 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:

#### CAUTION:

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Causes substantial but temporary eye injury.

Do not get in eyes or on clothing.

Wash thoroughly with soap and water after handling.

Flammable

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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) Chemical Substance Inventory.

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

**16. OTHER INFORMATION**

**HMIS Ratings**

|                     |   |
|---------------------|---|
| <b>Health</b>       | 2 |
| <b>Flammability</b> | 3 |
| <b>Reactivity</b>   | 0 |

**NFPA Ratings**

|                   |   |
|-------------------|---|
| <b>Health</b>     | 2 |
| <b>Fire</b>       | 3 |
| <b>Reactivity</b> | 0 |
| <b>Special</b>    | - |

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**

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