

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



### Raid Multi Insect Killer 7 (EPA REG NO. 4822-569)

Version 1.0

Print Date 10/23/2025

Revision Date 03/09/2017

SDS Number 350000032485

GEN\_SOF Number 59894

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product information

**Product name** : Raid Multi Insect Killer 7 (EPA REG NO. 4822-569)

**Recommended use** : Insecticide

**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 aerosols    | Category 2      | Flammable aerosol.                                  |
| Gases under pressure  | Compressed gas  | Contains gas under pressure; may explode if heated. |

### Labelling

#### Hazard symbols

Flame  
Gas cylinder

#### Signal word

Warning

#### Hazard statements

Flammable aerosol.  
Contains gas under pressure; may explode if heated.

#### Precautionary statements

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.  
Protect from sunlight. Store in a well-ventilated place.

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

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

**Other hazards** : None identified

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                                                        | CAS-No.     | Weight percent |
|----------------------------------------------------------------------|-------------|----------------|
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-47-8  | 5.00 - 10.00   |
| Butane                                                               | 106-97-8    | 5.00 - 10.00   |
| Propane                                                              | 74-98-6     | 5.00 - 10.00   |
| Isobutane                                                            | 75-28-5     | 5.00 - 10.00   |
| d-Phenothrin                                                         | 188023-86-1 | 0.10 - 1.00    |
| Prallethrin                                                          | 23031-36-9  | 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](http://www.whatsinsidescjohnson.com).

### 4. FIRST AID MEASURES

**Eye contact** : No special requirements

**Skin contact** : No special requirements

**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.

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**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.

**NFPA Classification** : NFPA Level 1 Aerosol

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#### 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.

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KEEP OUT OF REACH OF CHILDREN AND PETS.  
Pressurized container.  
Do not pierce or burn, even after use.

**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 under recommended storage conditions.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

| Components                                                           | CAS-No.    | mg/m3       | ppm       | Non-standard units | Basis      |
|----------------------------------------------------------------------|------------|-------------|-----------|--------------------|------------|
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | 64742-47-8 | 1,200 mg/m3 | 152 ppm   | -                  | SUPPLIER   |
| 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

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**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** : aerosol

**Color** : opaque

**Color** : white

**Odor** : Citrus

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

**pH** : 6.34  
at (20 °C)  
1% solution

**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** : -88.3 °C  
-126.94 °F  
Propellant  
62 °C  
143.6 °F  
Method: Pensky Martens closed cup

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liquid

**Evaporation rate** : Test not applicable for this product type

**Flammability (solid, gas)** : not auto-flammable

**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** : 0.847 g/cm<sup>3</sup> at 25 °C 0.828 g/cm<sup>3</sup> at 54 °C

**Solubility(ies)** : dispersible

**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

**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

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**Volatile Organic Compounds** : 19.1 % - 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** : 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

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

#### 11. TOXICOLOGICAL INFORMATION

**Emergency Overview** : Warning

**Acute oral toxicity** : LD50

**Acute inhalation toxicity** : LC50

**Acute dermal toxicity** : LD50

| GHS Properties | Classification             | Routes of entry |
|----------------|----------------------------|-----------------|
| Acute toxicity | No classification proposed | Oral            |

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|                                                    |                            |                            |
|----------------------------------------------------|----------------------------|----------------------------|
| 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 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.

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**Toxicity to fish**

| Components                                                           | End point              | Species                             | Value         | Exposure time |
|----------------------------------------------------------------------|------------------------|-------------------------------------|---------------|---------------|
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | LC50                   | Fish                                | > 1,028 mg/l  | 96 h          |
| Butane                                                               | LC50 QSAR              | Fish                                | 27.98 mg/l    | 96 h          |
| Propane                                                              | LC50                   | Fish                                | 27.98 mg/l    | 96 h          |
| Isobutane                                                            | LC50 QSAR              | Fish                                | 27.98 mg/l    | 96 h          |
| d-Phenothrin                                                         | LC50                   | Oncorhynchus mykiss (rainbow trout) | 0.0027 mg/l   | 96 h          |
|                                                                      | NOEC                   | Oncorhynchus mykiss (rainbow trout) | > 0.0011 mg/l | 90 d          |
| Prallethrin                                                          | LC50                   | Oncorhynchus mykiss (rainbow trout) | 0.012 mg/l    | 96 h          |
|                                                                      | flow-through test NOEC | Oncorhynchus mykiss (rainbow trout) | 0.003 mg/l    | 90 d          |

**Toxicity to aquatic invertebrates**

| Components | End point | Species | Value | Exposure |
|------------|-----------|---------|-------|----------|
|------------|-----------|---------|-------|----------|

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|                                                                      |                   |                            |              | time |
|----------------------------------------------------------------------|-------------------|----------------------------|--------------|------|
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | EC50              | Daphnid                    | > 3,193 mg/l | 48 h |
| Butane                                                               | No data available |                            |              |      |
| Propane                                                              | LC50              | Daphnid                    | 14.22 mg/l   | 48 h |
| Isobutane                                                            | LC50 QSAR         | Daphnid                    | 16.33 mg/l   | 48 h |
| d-Phenothrin                                                         | EC50              | Daphnia (water flea)       | 0.0043 mg/l  | 48 h |
|                                                                      | NOEC              | Daphnia (water flea)       | 0.00047 mg/l | 21 d |
| Prallethrin                                                          | EC50              | Daphnia magna (Water flea) | 0.0062 mg/l  | 48 h |
|                                                                      | NOEC              | Daphnia magna              | 0.00065 mg/l | 21 d |

**Toxicity to aquatic plants**

| Components                                                           | End point | Species              | Value        | Exposure time |
|----------------------------------------------------------------------|-----------|----------------------|--------------|---------------|
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | EC50      | Skeletonema costatum | > 3,198 mg/l | 72 h          |

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|--------------|----------------------|--------------------------------------------------|-----------------|------|
| Butane       | EC50<br>QSAR         | Green algae                                      | 7.71 mg/l       | 96 h |
| Propane      | No data<br>available |                                                  |                 |      |
| Isobutane    | EC50<br>QSAR         | Green algae                                      | 8.57 mg/l       | 96 h |
| d-Phenothrin | EbC50                | Algae                                            | > 0.011<br>mg/l | 72 h |
| Prallethrin  | EC50                 | Pseudokirchneriella<br>subcapitata (green algae) | 2 mg/l          | 96 h |

#### Persistence and degradability

| Component                                                                   | Biodegradation    | Exposure<br>time | Summary                       |
|-----------------------------------------------------------------------------|-------------------|------------------|-------------------------------|
| Hydrocarbons, C14-C18, n-<br>alkanes, isoalkanes, cyclics,<br><2% aromatics | 74 %              | 28 d             | Readily biodegradable         |
| Butane                                                                      | 100 %             | 385.5 h          | Readily biodegradable         |
| Propane                                                                     | 70 %              | < 10 d           | Readily biodegradable         |
| Isobutane                                                                   | 70 %              | < 10 d           | Readily biodegradable         |
| d-Phenothrin                                                                | 1 %               | 28 d             | Not readily<br>biodegradable. |
| Prallethrin                                                                 | No data available |                  | Not readily<br>biodegradable. |

#### Bioaccumulative potential

| Component                                                                   | Bioconcentration<br>factor (BCF) | Partition Coefficient n-<br>Octanol/water (log) |
|-----------------------------------------------------------------------------|----------------------------------|-------------------------------------------------|
| Hydrocarbons, C14-C18, n-<br>alkanes, isoalkanes, cyclics,<br><2% aromatics | 61 - 159                         | No data available                               |

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|              |                           |      |
|--------------|---------------------------|------|
| Butane       | No data available         | 2.89 |
| Propane      | No data available         | 2.36 |
| Isobutane    | 1.57 - 1.97               | 2.8  |
| d-Phenothrin | 2,506 - 3,192<br>Measured | 6.8  |
| Prallethrin  | No data available         | 4.49 |

#### Mobility

| Component                                                            | End point         | Value  |
|----------------------------------------------------------------------|-------------------|--------|
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | No data available |        |
| Butane                                                               | No data available |        |
| Propane                                                              | No data available |        |
| Isobutane                                                            | No data available |        |
| d-Phenothrin                                                         | Koc               | 125893 |
| Prallethrin                                                          | No data available |        |

#### PBT and vPvB assessment

| Component                                                            | Results                              |
|----------------------------------------------------------------------|--------------------------------------|
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | 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 |
| d-Phenothrin                                                         | Not fulfilling PBT and vPvB criteria |
| Prallethrin                                                          | Not fulfilling PBT and vPvB criteria |

**Other adverse effects** : None known.

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#### 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.

|                              | Land transport                                                                                     | Sea transport                                                                                      | Air transport                                                                                      |
|------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| UN number                    | 1950                                                                                               | 1950                                                                                               | 1950                                                                                               |
| UN proper shipping name      | Aerosols, Flammable (d-Phenothrin, Prallethrin), Marine Pollutant                                  | Aerosols, Flammable (d-Phenothrin, Prallethrin), Marine Pollutant                                  | Aerosols, Flammable (d-Phenothrin, Prallethrin), Marine Pollutant                                  |
| Transport hazard class(es)   | 2.1                                                                                                | 2                                                                                                  | 2.1                                                                                                |
| Packing group                | -                                                                                                  | -                                                                                                  | -                                                                                                  |
| Environmental hazards        | -                                                                                                  | Marine pollutant                                                                                   | -                                                                                                  |
| 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. |

#### 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.

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

#### 16. OTHER INFORMATION

##### HMIS Ratings

|              |   |
|--------------|---|
| Health       | 1 |
| Flammability | 4 |
| Reactivity   | 0 |

##### NFPA Ratings

|            |   |
|------------|---|
| Health     | 1 |
| 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.

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

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