

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : STEM Flying Insect Killer

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
Aerosol	Category 2	Flammable aerosol.
Serious eye damage	Category 2A	Causes serious eye irritation.
Skin sensitisation	Category 1B	May cause an allergic skin reaction.

Labelling

Hazard symbols

Flame

Exclamation mark

Signal word

Warning

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

Hazard statements

Flammable aerosol.

Pressurised container: May burst if heated.

Causes serious eye irritation.

May cause an allergic skin reaction.

Precautionary statements

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

If skin irritation or rash occurs: Get medical advice.

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.

Take off contaminated clothing and wash it before reuse.

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

Dispose of contents and container in accordance with local regulations.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

Do not pierce or burn, even after use.

Wear protective gloves/ eye protection/ face protection.

Avoid breathing spray.

Do not get in eyes, on skin, or on clothing.

Wash hands thoroughly after handling.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

Contaminated work clothing must 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
Isopropyl Myristate	110-27-0	5.00 - 10.00
Ethyl (L)-lactate	687-47-8	5.00 - 10.00
Carbon dioxide	124-38-9	1.00 - 3.00
Geraniol	106-24-1	1.00 - 3.00

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

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

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

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. |

Safety Data Sheet

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1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Carbon dioxide	124-38-9	-	30,000 ppm	-	ACGIH STEL
Carbon dioxide	124-38-9	-	5,000 ppm	-	ACGIH TWA
Carbon dioxide	124-38-9	9,000 mg/m3	5,000 ppm	-	OSHA 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

Physical state : aerosol

Color : colourless

Odor : Citrus

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

Odour Threshold : Test not applicable for this product type

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)

Heat of Combustion : 30.95 kJ/g

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

Relative Vapor Density : Test not applicable for this product type

Relative density : 0.8491 g/cm³ at 21 °C

Solubility(ies) : insoluble

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

Partition coefficient: n-octanol/water	:	Test not applicable for this product type	:
Auto-ignition temperature	:	Test not applicable for this product type	:
Decomposition temperature	:	Test not applicable for this product type	:
Viscosity, dynamic	:	12.4 mPa.s at 20 °C	:
Viscosity, kinematic	:	Test not applicable for this product type	:
Oxidizing properties	:	Test not applicable for this product type	:
Volatile Organic Compounds	:	6.5 % - additional exemptions may apply	:
Total VOC (wt. %)*	:	*as defined by US Federal and State Consumer Product Regulations	:
Particle Characteristics	:		:
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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

Possibility of hazardous reactions, including those associated with foreseeable emergencies : 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.

11. TOXICOLOGICAL INFORMATION

Emergency Overview : Warning

Acute oral toxicity : LD50 > 5000 mg/kg

Acute inhalation toxicity : LC50 > 10 mg/L

Acute dermal toxicity : LD50 2399 mg/kg

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200

**STEM Flying Insect Killer**

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

GHS Properties	Classification	Routes of entry	Interactive effects	Symptoms	Alternative Information Used	Method Used for Alternative Information
Acute toxicity	No classification proposed	Oral	None known.	-	No	Not Applicable
Acute toxicity	No classification proposed	Dermal	None known.	-	No	Not Applicable
Acute toxicity	No classification proposed	Inhalation - Vapour	None known.	-	No	Not Applicable
Acute toxicity	No classification proposed	Inhalation - Dust and Mist	None known.	-	No	Not Applicable
Acute toxicity	No classification proposed	Inhalation - Gas	None known.	-	No	Not Applicable
Skin corrosion/irritation	No classification proposed	-	None known.	-	No	Not Applicable
Serious eye damage	Category 2A	-	None known.	Causes serious eye irritation.	No	Not Applicable
Skin sensitisation	Category 1B	-	None known.	May cause an allergic skin reaction.	No	Not Applicable

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200

**STEM Flying Insect Killer**

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

Respiratory sensitisation	No classification proposed	-	None known.	-	No	Not Applicable
Germ cell mutagenicity	No classification proposed	-	None known.	-	No	Not Applicable
Carcinogenicity	No classification proposed	-	None known.	-	No	Not Applicable
Reproductive toxicity	No classification proposed	-	None known.	-	No	Not Applicable
Specific target organ toxicity - single exposure	No classification proposed	-	None known.	-	No	Not Applicable
Specific target organ toxicity - repeated exposure	No classification proposed	-	None known.	-	No	Not Applicable
Aspiration hazard	No classification proposed	-	None known.	-	No	Not Applicable

Aggravated Medical Condition

: None known.

IARC 1:

No component of this product present at levels $\geq 0.1\%$ is identified as probable, possible or confirmed human carcinogen by IARC.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

IARC 2A:

No component of this product present at levels $\geq 0.1\%$ is identified as probable, possible or confirmed human carcinogen by IARC.

IARC 2B:

No component of this product present at levels $\geq 0.1\%$ is identified as probable, possible or confirmed human carcinogen by IARC.

NTP:

"No component of this product present at levels $\geq 0.1\%$ is identified as probable, possible or confirmed human carcinogen by NTP."

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

OSHA:

No component of this product present at levels $\geq 0.1\%$ is identified as probable, possible or confirmed human carcinogen by OSHA.

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
Isopropyl Myristate	static test LC50 estimated	Lepomis macrochirus (Bluegill sunfish)	> 1,000 mg/l	96 h
Ethyl (L)-lactate	semi- static test LC50	Danio rerio (zebra fish)	320 mg/l	96 h

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200

**STEM Flying Insect Killer**

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

Carbon dioxide	No data available			
Geraniol	static test LC50 OECD Test Guideline 203	Danio rerio (zebra fish)	22 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Isopropyl Myristate	static test EC50 Measured EU Method C.2 (Acute Toxicity for Daphnia)	Daphnia magna Straus	< 100 mg/l	48 h

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200

**STEM Flying Insect Killer**

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

	semi-static test NOEC Nominal	Daphnia magna	> 100 mg/l	21 d
Ethyl (L)-lactate	EC50	Daphnia magna (Water flea)	683 mg/l	48 h
Carbon dioxide	No data available			
Geraniol				

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Isopropyl Myristate	static test EC50 estimated EU Method C.3 (Algal Inhibition	Desmodemus subspicatus	< 100 mg/l	72 h

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200

**STEM Flying Insect Killer**

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

	test)			
Ethyl (L)-lactate	No data available			
Carbon dioxide	No data available			
Geraniol	static test EC50 Nominal OECD Test Guideline 201	Desmodemus subspicatus (green algae)	13.9 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Isopropyl Myristate	91.4 %	28 d	Readily biodegradable.
Ethyl (L)-lactate	No data available		
Carbon dioxide	No data available		
Geraniol	82 %	28 d	Readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Isopropyl Myristate	2,765	7.71
Ethyl (L)-lactate	No data available	0.06
Carbon dioxide	No data available	No data available
Geraniol	No data available	2.6

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

Mobility

Component	End point	Value
Isopropyl Myristate	log Koc	4.08
Ethyl (L)-lactate	No data available	
Carbon dioxide	No data available	
Geraniol	Koc	70.79

PBT and vPvB assessment

Component	Results
Isopropyl Myristate	Not fulfilling PBT and vPvB criteria
Ethyl (L)-lactate	Not fulfilling PBT and vPvB criteria
Carbon dioxide	Not fulfilling PBT and vPvB criteria
Geraniol	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



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

	Land transport	Sea transport	Air transport
UN number or identification 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.

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

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

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.

: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	3
Reactivity	0

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Flying Insect Killer

Version 0.0

Print Date 11/07/2025

Revision Date 00/00/0000

SDS Number 350000039423

GEN_SOF Number 72052

NFPA Ratings

Health	2
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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