

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR
1910.1200



STEM Multi-Insect Killer

Version 0.0

Print Date 11/10/2025

Revision Date 00/00/0000

SDS Number 350000040219

GEN_SOF Number 71826

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : STEM Multi-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
Flammable liquids	Category 4	Combustible liquid.
Serious eye damage	Category 2A	Causes serious eye irritation.
Skin sensitisation	Category 1B	May cause an allergic skin reaction.
Aspiration hazard	Category 1	May be fatal if swallowed and enters airways.

Labelling

Hazard symbols

Exclamation mark

Health hazard

Signal word

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Danger

Hazard statements

Combustible liquid.

Causes serious eye irritation.

May cause an allergic skin reaction.

May be fatal if swallowed and enters airways.

Precautionary statements

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

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.

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do NOT induce vomiting.

Take off contaminated clothing and wash it before reuse.

Store locked up.

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.

Wear protective gloves/ eye protection/ face protection.

Avoid breathing spray.

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

Wash hands thoroughly after handling.

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

Other hazards : None identified

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 - 20.00
Geraniol	106-24-1	5.00 - 10.00

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** : IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.

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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 | : | 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. Do not use a solid water stream as it may scatter and spread fire. 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 for containment and cleaning up | : | 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.
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.

Storage

Requirements for storage areas and containers

: Keep container closed when not in use.
Keep away from food, drink and animal feedingstuffs.
Store in a well-ventilated place. Keep cool.
Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection

: Do not spray in enclosed areas.

Hand protection

: Wear suitable gloves.

Eye protection

: Safety glasses with side-shields

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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 : liquid

Color : colourless

Odor : solvent-like

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 : 67 °C
152.6 °F
Method: Pensky Martens closed cup

Heat of Combustion : 33.1 kJ/g

Evaporation rate : Test not applicable for this product type

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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	: 0.871 g/cm ³ at 20 °C 0.868 g/cm ³ at 25 °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
Viscosity, dynamic	: 9.8 mPa.s at 22 °C
Viscosity, kinematic	: Test not applicable for this product type
Oxidizing properties	: Test not applicable for this product type
Volatile Organic Compounds	: 15.4 % - additional exemptions may apply *as defined by US Federal and State Consumer Product

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Total VOC (wt. %)*	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.
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	:	Danger
Acute oral toxicity	:	LD50 > 5000 mg/kg

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Acute inhalation toxicity : LC50 > 10 mg/L

Acute dermal toxicity : LD50 2855 mg/kg

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 - Dust and Mist	None known.	-	No	Not Applicable
Acute toxicity	No classification proposed	Inhalation - Vapour	None known.	-	No	Not Applicable
Acute toxicity	No classification proposed	Inhalation - Gas	None known.	-	No	Not Applicable
Skin corrosion/irritation	No classification	-	None known.	-	No	Not Applicable

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tation	proposed					
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
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	Category 1	-	None known.	May be fatal if swallowed and enters	No	Not Applicable

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				airways.		
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**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.

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.

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NTP:

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

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
White Mineral Oil, (Petroleum)	LC50	Oncorhynchus mykiss	> 100	96 h

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	QSAR NOEC QSAR	(rainbow trout) Oncorhynchus mykiss (rainbow trout)	mg/l ≥ 1,000 mg/l	28 d
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
Geraniol	static test LC50 OECD Test Guideline 203	Danio rerio (zebra fish)	22 mg/l	96 h

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
	semi-static test NOELR Read-across (Analogy)	Daphnia magna (Water flea)	10 mg/l	21 d
	OECD Test Guideline 211			
Isopropyl Myristate	static test EC50 Measured EU Method C.2 (Acute Toxicity for Daphnia)	Daphnia magna Straus	< 100 mg/l	48 h

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	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
Geraniol				

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	static test EC50 estimated EU Method C.3 (Algal Inhibition test)	Desmodesmus subspicatus	< 100 mg/l	72 h

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

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.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
White Mineral Oil, (Petroleum)	No data available	> 6
Isopropyl Myristate	2,765	7.71
Ethyl (L)-lactate	No data available	0.06
Geraniol	No data available	2.6

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Mobility

Component	End point	Value
White Mineral Oil, (Petroleum)	log Koc	3.58 - 14.70
Isopropyl Myristate	log Koc	4.08
Ethyl (L)-lactate	No data available	
Geraniol	Koc	70.79

PBT and vPvB assessment

Component	Results
White Mineral Oil, (Petroleum)	Not fulfilling PBT and vPvB criteria
Isopropyl Myristate	Not fulfilling PBT and vPvB criteria
Ethyl (L)-lactate	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.

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14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

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.

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

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16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	1
Reactivity	0

NFPA Ratings

Health	1
Fire	1
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

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