



# SAFETY DATA SHEET

## FUSE Cockroach Gel

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABEL (attached to and accompanying the product container). This SDS is intended to provide important health and safety information for employers, emergency responders and others handling large quantities of the product in activities generally other than product use as required by the Occupational Health and Safety Act (29 CFR 1910.1200). The product label provides information specifically for product use/application. Use, storage, and disposal of pesticide products is regulated by the EPA under the authority of FIFRA through the product label. All necessary hazard classification and appropriate precautionary use, storage and disposal information is set forth on that label. It is a violation of federal law to use an EPA registered pesticide product in any manner inconsistent with its labeling.

### SECTION 1: IDENTIFICATION

**Product Name:** FUSE Cockroach Gel  
**EPA Registration No.:** 53883-456  
**Recommended Use:** Insecticide; See product label for a complete list of uses and use sites.  
**Restrictions on Use:** See product label for any restrictions on the use of this product.  
**Chemical Family:** N/A – Mixture  
**Chemical Name of Active Ingredient(s):** Fipronil, Abamectin  
**Manufactured for:** Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507

**FOR FIRE, SPILL, AND/OR LEAK EMERGENCIES CONTACT: [CHEMTREC 1-800-424-9300](tel:1-800-424-9300)**

**FOR MEDICAL EMERGENCIES AND HEALTH AND SAFETY INQUIRIES CONTACT: [Safety Call 1-866-897-8050](tel:1-866-897-8050)**

### SECTION 2: HAZARD(S) IDENTIFICATION

**EMERGENCY OVERVIEW:** Dark brown gel with a chocolate like odor.

#### OSHA HCS CLASSIFICATION (29 CFR 1910.1200)

This product does not meet the regulatory definition of a hazardous chemical under 29 CFR 1910.1200. However, good industrial hygiene practices should be used in the manufacture and handling of the product.

**OSHA Signal Word:** None

**Hazard Statement(s):** None required

#### Precautionary Statement(s):

**Prevention:** No statement required. See section 8 for personal protective equipment.

**Response:** No statement required. See section 4 for first aid.

**Storage:** No statement required. See section 7 for storage information.

**Disposal:** No statement required. See section 13 for disposal information.

\*Please see Section 15 for an explanation of the difference between this SDS and the product label.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %
Abamectin	71751-41-2	0.05%
Fipronil	120068-37-3	0.05%

\*Ingredients not listed or listed with a weight % range are considered a trade secret and are withheld under 29 CFR 1910.1200(i).

<b>SECTION 4: FIRST AID MEASURES</b>	
<b>IF IN EYES:</b>	Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>IF ON SKIN:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
<b>IF INHALED:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<b>IF INGESTED:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Most important symptoms/effects, acute and delayed:** Ingestion may result in restlessness, anxiety, tremors

**SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Water spray, alcohol-resistant foam, dry chemical or carbon dioxide  
**Unsuitable Extinguishing Media:** Water jet as it may spread fire.  
**Hazardous Combustion Products:** Thermal decomposition may produce toxic carbon, nitrogen and sulfur oxides.  
**Special Protective Equipment & Precautions:** Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Foam and/or dry chemical are preferred to minimize environmental contamination. If water is used, dike and collect water to prevent run-off. Wear self-contained breathing apparatus and full fire-fighting turn-out gear (Bunker gear).  
**Unusual Fire & Explosion Hazards:** None known

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** See Section 8 for personal protection equipment.  
**Environmental Precautions:** Keep spilled material and any rinsate from contaminating soil or from entering sewage and drainage systems and bodies of water.  
**Methods for Containment:** Isolate the spill area. Keep unnecessary and unprotected personnel from entering. Absorb small spills with sand, vermiculite or other inert absorbent. Dike large spills using absorbent or impervious material such as clay or sand.  
**Methods for Clean-up:** Place contaminated material in appropriate container for disposal. After removal, flush contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container. Do not put spilled material back in the original container.  
**Other Information:** None known

**SECTION 7: HANDLING AND STORAGE**

**Handling:** RECOMMENDATIONS ARE INTENDED FOR MANUFACTURING, PACKAGING AND COMMERCIAL BLENDING WORKERS. PESTICIDE APPLICATORS AND WORKERS must refer to the product label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Handle and open container in a manner as to prevent spillage. Do not eat, drink or smoke while handling this product. Product will stain porous surfaces.

**Storage:** See pesticide label for full information on product storage. Do not contaminate water, food or feed by storage of this product. Store away from sources of heat, out of direct sunlight and away from incompatible materials. Pesticides should be stored in secured areas away from children and animals. Do not store this product under wet conditions.

**Storage Temperature (Min/Max):** Avoid extreme temperatures

**Product Incompatibilities:** Strong oxidizing agents, strong bases and strong acids

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Users of a pesticide product must refer to the product label for personal protective equipment requirements.

**Exposure Guidelines:**

COMPONENT	OSHA PEL	ACGIH TLV	NIOSH REL
No components listed			

**Engineering Controls:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

**THE PERSONAL PROTECTIVE EQUIPMENT BELOW IS REQUIRED FOR PRODUCT APPLICATORS, END USERS, AND HANDLERS AND COMES FROM THE FIFRA APPROVED PESTICIDE LABEL:**

No Personal Protective Equipment (PPE) required.

**THE PERSONAL PROTECTIVE EQUIPMENT BELOW IS INTENDED FOR MANUFACTURING, PACKAGING AND COMMERCIAL BLENDING WORKERS:**

**Respiratory Protection:** In areas of poor ventilation, use a NIOSH approved respirator with cartridges/canisters approved for pesticides.

**Eye Protection:** Chemical goggles or safety glasses.

**Protective Gloves:** Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC) or Viton.

**Other Protective Clothing:** Long-sleeved shirt, long pants and shoes plus socks.

**General Safety Measures:** Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately after handling this product. Wash outside of gloves before removing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them. Follow manufacturer’s instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Dark brown gel	<b>Upper/Lower Flammability Limits:</b>	Not determined
<b>Odor:</b>	Chocolate like	<b>Vapor Pressure:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>pH (1% dispersion):</b>	4.5 – 5.0	<b>Density:</b>	1.082 (typical)
<b>Melting /Freezing Point:</b>	Not determined	<b>Solubility (water):</b>	Not determined
<b>Boiling Point/Range:</b>	Not determined	<b>Partition Coefficient:</b>	Not determined
<b>Flash Point:</b>	Not applicable	<b>Auto-ignition Temperature:</b>	Not determined
<b>Evaporation Rate:</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>Flammability:</b>	Not applicable	<b>Viscosity:</b>	Not applicable

\*As an end-use mixture, many of the listed physical and chemical properties are not determined as they primarily apply to pure chemical substances.

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity:</b>	No hazardous chemical reactions known.
<b>Chemical Stability:</b>	Stable under normal storage and handling conditions.
<b>Possibility of Hazardous Reactions:</b>	No potential for hazardous reactions known.
<b>Conditions to Avoid:</b>	Extreme temperatures, direct sunlight and exposure to moisture.
<b>Incompatible Materials:</b>	Strong oxidizing agents, strong bases and strong acids
<b>Hazardous Decomposition Products:</b>	Thermal decomposition may produce toxic oxides of carbon and nitrogen.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Likely Routes of Exposure:</b>	Eye contact, Skin contact, Ingestion
<b>Symptoms of Exposure:</b>	None known
<b>Oral LD<sub>50</sub>:</b>	>5,000 mg/kg (rat)
<b>Dermal LD<sub>50</sub>:</b>	>5,000 mg/kg (rat)
<b>Inhalation LC<sub>50</sub>:</b>	No data available, not a likely route of exposure
<b>Eye Irritation/Damage:</b>	Minimally irritating
<b>Skin Corrosion/Irritation:</b>	Slightly irritating
<b>Skin Sensitization:</b>	Non-sensitizing (Based upon component information)
<b>Chronic/Subchronic Toxicity:</b>	No data available
<b>Mutagenicity:</b>	Fipronil was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.
<b>Reproductive Toxicity:</b>	Abamectin is considered a developmental toxicant.
<b>Neurotoxicity:</b>	Fipronil caused neurobehavioral and/or neuropathological changes in animal studies.
<b>Target Organs:</b>	Fipronil caused specific target organ toxicity in experimental animal studies in the following organ(s): liver.
<b>Aspiration Hazard:</b>	Not anticipated to be an aspiration hazard.
<b>Carcinogenicity:</b>	<u>Fipronil Technical</u> : The EPA has classified fipronil as a Group C – Possible Human Carcinogen based upon laboratory animal studies (increased thyroid tumors in male and female rats). Humans and rats have the same mechanism of action which produced fipronil-induced thyroid tumors in the rat;

however, the rat appears to be more highly sensitive than humans. Therefore, the fipronil-induced rat thyroid tumors are not considered suggestive of a human health risk.

Chemical Name	ACGIH	IARC	NTP	OSHA
No components listed				

**SECTION 12: ECOLOGICAL INFORMATION**

**Environmental Hazards Statement from FIFRA Regulated Pesticide Label:**

This product is toxic to birds, fish and aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters.

**ECOTOXICITY DATA:**

Data presented below is on the fipronil technical product.

**Fish Toxicity:**

Zebra fish: 96-hour LC<sub>50</sub> = 0.071 mg/L

**Aquatic Invertebrate Toxicity:**

*Daphnia magna*: 96-hour EC<sub>50</sub> <0.1 mg/L

**Aquatic Plant Toxicity:**

*P. subcapitata*: EC<sub>50</sub> = 3.0 mg/L

**Avian Toxicity:**

Japanese quail: LD<sub>50</sub> = 148.5 mg/kg

**Honeybee Toxicity:**

Oral LD<sub>50</sub> = 0.003 µg/bee

**ENVIRONMENTAL EFFECTS:**

**Persistence and Degradability:** No data available

**Bioaccumulation:** No data available

**Mobility:** No data available

**Other Adverse Effects:** No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Refer to the pesticide label for full information on disposal. Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

**Container Disposal:** Refer to the pesticide label for full information on disposal. When possible, triple rinse the container and offer for recycling if available.

**RCRA Characteristics:** It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

**SECTION 14: TRANSPORTATION INFORMATION**

**DOT (Ground):** Not regulated

**IMDG (Sea):** UN3077, Environmentally hazardous substance, solid, n.o.s. (Fipronil), 9, PGIII

**IATA (Air):** UN3077, Environmentally hazardous substance, solid, n.o.s. (Fipronil), 9, PGIII

**SECTION 15: REGULATORY INFORMATION**

**Labeling Requirements Under FIFRA:** 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:

CAUTION: Causes moderate eye irritation. Avoid contact with eyes. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Difference between SDS and Pesticide Label**

	EPA LABEL	OSHA SDS
Signal Word	CAUTION	None
Eye Irritation	Causes moderate eye irritation	None
Enter Category		
Enter Category		
Enter Category		

**TSCA Inventory:** This product is exempt from TSCA inventory listing requirements as it is solely for FIFRA regulated use.

**SARA Title III Information:**

**Section 302 – Extremely hazardous substances:** None

**Section 311/312 – Hazard Categories:** None

**Section 313** – This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS Number	Weight %
Abamectin	71751-41-2	0.05

**CERCLA** – This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Chemical Name	CAS Number	RQ	Quantity of Finished Product
None listed			

**CALIFORNIA PROPOSITION 65:**

Chemical Name	CAS Number	Prop 65 Category(ies)
Abamectin	71751-41-2	Developmental

**U.S. STATE RIGHT-TO-KNOW REGULATIONS:**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Abamectin	X		

<b>SECTION 16: OTHER INFORMATION</b>
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<b>NFPA</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special Hazards</b> – None
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