



Revision Number: 001.5

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## 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

**Product identifier used on the label:** Combat Max Roach Killing Bait S, Combat Max Defense System Brand Roach Killing Bait S, EPA Reg 64240-33

**Recommended use of the chemical and restrictions on use:** Crawling insects, Use biocides safety. Always read the label and product information before use.

**Name, address and telephone number of the chemical distributor:**

Combat Insect Control Systems  
One Henkel Way  
Rocky Hill, Connecticut 06067

Telephone: For medical emergencies 1-833-359-6299 For transportation CHEMTREC: 1-800-424-9300 .  
Internet: www.henkel-northamerica.com

## 2. HAZARDS IDENTIFICATION

Globally Harmonized System Safety Data Sheets (SDS) are required to be readily accessible to employees for all hazardous chemicals in the workplace. This SDS provides additional information for safe handling of the product and may contain health hazard information not relevant to consumer use. For information regarding consumer application of this product, refer to the product label.

HAZARD CLASS	HAZARD CATEGORY
None	None
<b>Signal word:</b>	Not prescribed
<b>Hazard Statement(s):</b>	Not prescribed
<b>Symbol(s):</b>	None
<b>Precautionary Statements:</b>	
<b>Prevention:</b>	Not prescribed
<b>Response:</b>	Not prescribed
<b>Storage:</b>	Not prescribed
<b>Disposal:</b>	Not prescribed
<b>Hazards not otherwise classified:</b>	None known

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

The following chemicals are classified as hazards in accordance with § 1910.1200.

Chemical Name*	CAS Number (Unique Identifier)	Concentration
Propane-1,2-diol	57-55-6	>= 1 - < 5 %
Fipronil	120068-37-3	310.000 PPM

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

Actual concentration or concentration range is withheld as a trade secret

## 4. FIRST AID MEASURES

RS Number: 420255

Combat Max Roach Killing Bait S, Combat Max Defense System Brand Roach Killing Bait S, EPA Reg 64240-33

### Description of necessary measures

**Inhalation:** Remove from exposure area to fresh air. Treat symptomatically and supportively.  
**Skin contact:** Rinse affected area with mild soap and water until no evidence of product remains. Get medical attention if irritation persists.  
**Eye contact:** Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation develops.  
**Ingestion:** Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. Contact physician or local poison control center.

### Most important symptoms and effects, both acute and delayed

After eye contact: May cause mild transient irritation After skin contact: Repeated or prolonged excessive exposure may cause irritation or dermatitis. After ingestion: May be fatal if swallowed and enters airways. Nausea and possible vomiting may occur. After inhalation: Unlikely to occur due to the physical properties of the product.

### Indication of any immediate medical attention and special treatment needed

After eye contact: Rinse eyes with plenty of water until no evidence of product remains. After skin contact: Rinse affected area with mild soap and water until no evidence of product remains. After ingestion: May be fatal if swallowed and enters airways. Dilution by rinsing the mouth and giving a glass of water to drink is generally recommended. After inhalation: Remove from exposure area to fresh air.

## 5. FIRE FIGHTING MEASURES

### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Dry chemical, carbon dioxide, water spray or regular foam.

**Unsuitable extinguishing media:** None known

### Specific hazards arising from the chemical

Irritating smoke, carbon monoxide, and carbon dioxide.

### Special protective equipment and precautions for fire-fighters

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Shut off all ignition sources Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Isolate area. Keep unnecessary personnel away. Avoid breathing vapors, keep upwind.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Wear skin, eye and respiratory protection as recommended in Section 8. Ventilate spill area if possible. Do not touch spilled material. Spills present a slipping hazard. Keep unnecessary personnel away. Make sure area is slip-free before re-opening to traffic.

### Environmental precautions

Do not discharge into surface water/ground water.

### Methods and materials for containment and cleaning up

SMALL SPILLS: Sweep or scoop up and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Ventilate closed spaces before entering. Sweep or scoop up. Dispose in suitable waste container. Keep unnecessary people away from spill.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Do not get in eyes, on skin, on clothing Do not take internally. Use with adequate ventilation. Avoid generating aerosols and mists. Keep the containers closed when not in use.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, ventilated area out of reach of children and away from sources of heat, moisture, and incompatible substances. Store in suitable labeled containers. Store the containers tightly closed. Storage areas for large quantities (warehouse) should be well ventilated.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), American Industrial Hygiene Association (WEEL) Workplace Environmental Exposure Level and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Propane-1,2-diol	None	None	10 mg/m <sup>3</sup> TWA Aerosol.	None
Fipronil	None	None	None	None

### Appropriate engineering controls

Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

### Individual protection measures

<b>Respiratory:</b>	Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.
<b>Eye:</b>	Safety glasses are required to prevent eye contact where dusty conditions may occur.
<b>Hand/Body:</b>	Protective gloves are required where repeated or prolonged skin contact may occur. Protective clothing is required where repeated or prolonged skin contact may occur.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	piece brown
<b>Odor:</b>	characteristic
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable
<b>Melting point/ range:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Flash point:</b>	Not applicable
<b>Evaporation rate:</b>	Not available.
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Vapor density:</b>	Not available.
<b>Solubility in water:</b>	Not available.
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>VOC content:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This product may react with strong alkalis.
<b>Chemical stability:</b>	Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization has not been reported to occur under normal temperatures and pressures.
<b>Conditions to avoid:</b>	Avoid storing in direct sunlight and avoid extremes of temperature.
<b>Incompatible materials:</b>	Strong oxidizers and reducing agents.
<b>Hazardous decomposition products:</b>	Thermal decomposition products may include oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### Likely routes of exposure including symptoms related to characteristics

<b>Inhalation:</b>	Unlikely to occur due to the physical properties of the product. Dust may cause mucous membrane irritation with coughing, dryness and sore throat.
<b>Skin contact:</b>	Repeated or prolonged excessive exposure may cause irritation or dermatitis.
<b>Eye contact:</b>	Mild eye irritation.
<b>Ingestion:</b>	May cause mild gastrointestinal irritation with nausea, vomiting, diarrhea and abdominal pain.
<b>Physical/Chemical:</b>	No physical/chemical hazards are anticipated for this product.
<b>Other relevant toxicity information:</b>	This product is an insecticide. The use of this product by consumers is safe under normal and reasonable foreseen use.

### Numerical measures of toxicity, including delayed and immediate effect

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Propane-1,2-diol	Oral LD50 (RABBIT) = 18 g/kg Oral LD50 (RAT) = 30 g/kg Inhalation LC50 (RABBIT, 2 h) = > 317,042 mg/m <sup>3</sup>	Irritant
Fipronil	Oral LD50 (RAT) = 103 mg/kg Dermal LD50 ( ) = 445 mg/kg Dermal LD50 ( ) = 354 mg/kg Dermal LD50 (RAT) = > 2,000 mg/kg	No Data

### Carcinogenicity information

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Propane-1,2-diol	No	No	No
Fipronil	No	No	No

<b>Carcinogenicity</b>	None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA).
<b>Mutagenicity</b>	None of the ingredients in this product are known to cause mutagenicity.
<b>Toxicity for reproduction</b>	None of the ingredients in this product are known as reproductive, fetal, or developmental hazards.

## 12. ECOLOGICAL INFORMATION

### Aquatic Toxicity:

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. The active ingredient Fipronil is toxic birds, fish, and aquatic invertebrates.

**Toxicity to fish:**

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Propane-1,2-diol 57-55-6	LC50	51,600 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
fipronil 120068-37-3	LC50	0.085 mg/l	Fish	96 h	Lepomis macrochirus	not specified
	NOEC	0.0029 mg/l	Fish	35 d	Cyprinodon variegatus	not specified

**Chronic toxicity to aquatic invertebrates**

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Propane-1,2-diol 57-55-6	EC50	18,340 mg/l	Daphnia	48 h	Ceriodaphnia dubia	other guideline:
fipronil 120068-37-3	LC50	0.00017 mg/l	Daphnia	48 h	Mysidopsis bahia (new name: Americamysis bahia)	not specified

**Toxicity to algae:**

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Propane-1,2-diol 57-55-6	EC50	24,200 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	15,000 mg/l	Algae	14 d	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
fipronil 120068-37-3	EC50	0.07 mg/l	Algae	96 h	Desmodesmus subspicatus (reported as Scenedesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	>= 0.04 mg/l	Algae	72 h	Desmodesmus subspicatus	not specified

**Persistence and degradability**

Hazardous substances CAS-No.	Result value	Route of application	Species	Method
Propane-1,2-diol 57-55-6	readily biodegradable	aerobic	> 81.7 - 100 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
fipronil 120068-37-3	not readily biodegradable.	no data	47 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

**Bioaccumulative potential**

The bioaccumulation potential of this product has not been determined.

**Mobility in soil**

The mobility of this product (in soil and water) has not been determined.

## 13. DISPOSAL CONSIDERATIONS

### Description of waste residues:

**Hazardous waste number:** Not applicable

### Safe handling and disposal methods:

**Recommended method of disposal:** Pesticide wastes may be acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law.

**Disposal of uncleaned packages:** Do not reuse this container. Never place unused product down any indoor or outdoor drain. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14. TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper shipping classification may vary by packaging, properties, and mode of transportation.

### U.S. Department of Transportation Ground (49 CFR)

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

### Water Transportation (IMO/IMDG)

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

## 15. REGULATORY INFORMATION

### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** FIFRA listed  
All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

**TSCA 12 (b) Export Notification:** None above reporting de minimis

**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.

**CERCLA/SARA Section 311/312:** Not available.

**CERCLA/SARA Section 313:** None above reporting de minimis.

**California Proposition 65:** This product does not contain any Proposition 65 chemicals at levels requiring a warning in the State of California.

**FIFRA Regulated Products:** This is a pesticide product registered by the US 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 (SDS), and for workplace labels of non-pesticide chemicals. Refer to the pesticide label for specific hazard information. The pesticide label also includes other important information, including directions for use. EPA Signal Word: CAUTION  
EPA Precautionary Language: Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Canada Regulatory Information**

**CEPA DSL/NDSL Status:**

One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

**16. OTHER INFORMATION**

**DISCLAIMER:** The (M)SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment.

**This safety data sheet contains changes from the previous version in sections:** 3, 8, 11, 12

**Prepared by:** R&D Support Services

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