



# SAFETY DATA SHEET DOXEM NXT

## SECTION 1: IDENTIFICATION

**Product Name:** DOXEM NXT  
**EPA Registration No.:** 53883-455  
**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 – Multiple Active Ingredients  
**Chemical Name of Active Ingredient(s):** Indoxacarb  
 Novaluron  
 Pyriproxyfen  
 Imidacloprid  
**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:** Aerosolized liquid

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

Aspiration Hazard	Category 1
Flammable Aerosol	Category 2
Acute Inhalation Toxicity	Category 4

**Signal Word:** DANGER



**Hazard Statement(s):** May be fatal if swallowed and enters airways.  
 Flammable aerosol  
 Harmful if inhaled

**Precautionary Statement(s):**

- Prevention:** Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
 Do not spray on an open flame or other ignition source.  
 Pressurized container: Do not pierce or burn, even after use.  
 Avoid breathing mist/vapors/spray.  
 Use only outdoors or in a well-ventilated area.
- Response:** **IF SWALLOWED:** Immediately call a poison center/doctor. Do NOT induce vomiting.  
**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
- Storage:** Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- Disposal:** Dispose of contents/container in accordance with Federal, state and local laws and regulations.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Weight %
Distillates, petroleum, hydrotreated light	64742-47-8	60.0 - 70.0%
Dimethyl ether	115-10-6	<15.0%
Proprietary Solvent	*	<15.0%
Novaluron	116714-46-6	0.2%
Indoxacarb	173584-44-6	0.1%
Imidacloprid	138261-41-3	0.05%
Pyriproxyfen	95737-68-1	0.02%

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

**SECTION 4: FIRST AID MEASURES**

<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:** Vomiting may cause aspiration pneumonia. Long-term exposure to skin without washing may cause moderate skin effects such as redness, dryness, sloughing and fissuring. Possible skin sensitization in some individuals.

**Note to Physician:** Aspiration of this product during induced emesis can result in lung injury. If evacuation of stomach contents is considered necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation.

**SECTION 5: FIRE-FIGHTING MEASURES**

<b>Suitable Extinguishing Media:</b>	Foam, dry chemical, carbon dioxide or water fog/spray
<b>Unsuitable Extinguishing Media:</b>	Water jet
<b>Hazardous Combustion Products:</b>	Thermal decomposition may produce toxic carbon and nitrogen oxides, and halogenated hydrocarbons.
<b>Special Protective Equipment &amp; Precautions:</b>	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).
<b>Unusual Fire &amp; Explosion Hazards:</b>	Compressed gas. Containers may burst under fire conditions.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions:</b>	See Section 8 for personal protection equipment.
<b>Environmental Precautions:</b>	Keep spilled material and any rinsate from contaminating soil or from entering sewage and drainage systems and bodies of water.
<b>Methods for Containment:</b>	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. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify and scrape up for disposal.
<b>Methods for Clean-up:</b>	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.
<b>Other Information:</b>	None known

**SECTION 7: HANDLING AND STORAGE**

<b>Handling:</b>	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. Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and out of eyes. Avoid all sources of ignition and high heat.
<b>Storage:</b>	<b>See pesticide label for full information on product storage.</b> 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. Containers may explode at or above listed maximum storage temperature.
<b>Storage Temperature (Min/Max):</b>	Do not store at temperatures exceeding 122°F (50°C).
<b>Product Incompatibilities:</b>	None known

**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
Proprietary solvent	TWA: 1000 ppm; 2400 mg/m <sup>3</sup>	TWA: 250 ppm STEL: 500 ppm	TWA: 250 ppm

**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 is required for applicators, end users, and handlers of DOXEM NXT.

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

<b>Respiratory Protection:</b>	In areas of poor ventilation, use a NIOSH approved respirator with cartridges/canisters approved for organic vapors.
<b>Eye Protection:</b>	Chemical goggles or safety glasses
<b>Protective Gloves:</b>	Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC) or Viton.
<b>Other Protective Clothing:</b>	Long-sleeved shirt, long pants and shoes plus socks.
<b>General Safety Measures:</b>	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>	Aerosolized liquid	<b>Upper/Lower Flammability Limits:</b>	Not determined
<b>Odor:</b>	Faint	<b>Vapor Pressure:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>pH (1% dispersion):</b>	5.0 – 6.0	<b>Relative Density (@24°C):</b>	0.808 (typical)
<b>Melting /Freezing Point:</b>	Not determined	<b>Solubility in Water:</b>	Not determined
<b>Boiling Point/Range:</b>	Not determined	<b>Partition Coefficient:</b>	Not determined
<b>Flame Extension:</b>	>23 in with flashback	<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 (centistokes):</b>	1.9 @ 20°C; 1.4 @ 40°C

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity:</b>	No hazardous chemical reactions known if stored and handled as indicated.
<b>Chemical Stability:</b>	Stable under normal storage and handling conditions.
<b>Possibility of Hazardous Reactions:</b>	No potential for hazardous reactions known if stored and handled as indicated.
<b>Conditions to Avoid:</b>	Exposure to temperatures above 122°F (50°C). Avoid all sources of ignition: heat, sparks, open flames. Avoid prolonged storage.
<b>Incompatible Materials:</b>	None known
<b>Hazardous Decomposition Products:</b>	Thermal decomposition may produce toxic carbon and nitrogen oxides, and halogenated hydrocarbons.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Likely Routes of Exposure:</b>	Eye contact, Skin contact, Inhalation, Ingestion
<b>Symptoms of Exposure:</b>	Vomiting may cause aspiration pneumonia. Long-term exposure to skin without washing may cause moderate skin effects such as redness, dryness, sloughing and fissuring.
<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>	>2.21 mg/L (rat)(4-hr)(rat)
<b>Eye Irritation/Damage:</b>	Mild irritation clearing in less than 48 hours (rabbit)
<b>Skin Corrosion/Irritation:</b>	Mild irritating clearing in less than 7 days (rabbit)
<b>Skin Sensitization:</b>	Non-sensitizer (guinea pig)
<b>Chronic/Subchronic Toxicity:</b>	No data available on the mixture
<b>Mutagenicity:</b>	No data available on the mixture
<b>Reproductive Toxicity:</b>	No data available on the mixture
<b>Neurotoxicity:</b>	No data available on the mixture
<b>Target Organs:</b>	No data available on the mixture
<b>Aspiration Hazard:</b>	Contains petroleum distillates, so concentrate prior to adding propellant may be an aspiration hazard.

**Carcinogenicity:**

Chemical Name	ACGIH	IARC	NTP	OSHA
None listed				

**SECTION 12: ECOLOGICAL INFORMATION****Environmental Hazards Statement from FIFRA Regulated Pesticide Label:**

This product is toxic to fish and aquatic organisms. DO NOT apply directly to any body of water. To protect the environment, DO NOT allow pesticide to enter or run-off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

**ECOTOXICITY DATA:**

<b>Fish Toxicity:</b>	No data available on the mixture
<b>Aquatic Invertebrate Toxicity:</b>	No data available on the mixture
<b>Aquatic Plant Toxicity:</b>	No data available on the mixture
<b>Avian Toxicity:</b>	No data available on the mixture
<b>Honeybee Toxicity:</b>	No data available on the mixture

**ENVIRONMENTAL EFFECTS:**

<b>Persistence and Degradability:</b>	No data available on the mixture
<b>Bioaccumulation:</b>	No data available on the mixture
<b>Mobility:</b>	No data available on the mixture
<b>Other Adverse Effects:</b>	No data available on the mixture

**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. Empty aerosol cans may meet the definition of RCRA D003. Consult local and/or regional EPA for further guidance.

**SECTION 14: TRANSPORTATION INFORMATION**

- DOT** UN1950, Aerosols, flammable, 2.1  
**(Ground):** This product may be classified as Limited Quantity.
- IMDG** UN1950, Aerosols, flammable, 2.1  
**(Sea):**
- IATA** UN1950, Aerosols, flammable, 2.1  
**(Air):**

**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:** Harmful if swallowed. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**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:** Acute (Immediate); Fire; Sudden release of pressure;
- 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 %
None listed		

**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 of reportable quantity in the product			

**CALIFORNIA PROPOSITION 65:**

Chemical Name	CAS Number	Prop 65 Category(ies)
None listed		

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Acetone		X	X
Dimethyl ether	X	X	X

**SECTION 16: OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b> 2	<b>Flammability</b> 2	<b>Instability</b> 0	<b>Special Hazards</b> – None
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**Revision Date:** October 26, 2021  
**Document Superseded:** May 24, 2018  
**Revision Note:** Updated with EPA registration information



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Version 2.0 / USA  
102000015432

Revision Date: 11/06/2014  
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**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Product identifier**

**Trade name** MAXFORCE® FC MAGNUM ROACH KILLER BAIT GEL  
**Product code (UVP)** 06101320  
**SDS Number** 102000015432  
**EPA Registration No.** 432-1460

**Relevant identified uses of the substance or mixture and uses advised against**

**Use** Insecticide  
**Restrictions on use** See product label for restrictions.

**Information on manufacturer**

Bayer Environmental Science  
2 T.W. Alexander Drive  
Research Triangle PK, NC 27709  
United States

**Emergency telephone no.**

**Emergency Telephone Number (24hr/ 7 days)** 1-800-334-7577

**Product Information Telephone Number**

**SDS Information or Request** SDSINFO.BCS-NA@bayer.com

**SECTION 2: HAZARDS IDENTIFICATION**

**Classification in accordance with regulation HCS 29CFR §1910.1200**

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**Other hazards**

No particular hazards known.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Component Name	CAS-No.	Concentration % by weight
Fipronil	120068-37-3	0.05





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**SECTION 4: FIRST AID MEASURES**

**Description of first aid measures**

<b>General advice</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Inhalation</b>	Move 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 physician or poison control center immediately.
<b>Skin contact</b>	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.
<b>Eye contact</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

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

**Symptoms** The following symptoms may occur: Restlessness, Anxiety, Tremors

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

**Treatment** Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

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**SECTION 5: FIREFIGHTING MEASURES**

**Extinguishing media**

**Suitable** Dry chemical, Foam, Water, Carbon dioxide (CO2)

**Unsuitable** None known.

**Special hazards arising from the substance or mixture** Dangerous gases are evolved in the event of a fire.

**Advice for firefighters**

**Special protective equipment for fire-fighters** In the event of fire and/or explosion do not breathe fumes. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

**Further information** Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.



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<b>Flash point</b>	no data available
<b>Autoignition temperature</b>	no data available
<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Explosivity</b>	not applicable

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Precautions** Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

**Methods and materials for containment and cleaning up**

**Methods for cleaning up** Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**Additional advice** Use personal protective equipment. Do not allow to enter soil, waterways or waste water canal.

**Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

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**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Product will stain porous surfaces. Use only in area provided with appropriate exhaust ventilation.

**Advice on protection against fire and explosion** Do not use this product in or on electrical equipment due to the possibility of shock hazard.

**Hygiene measures** Remove Personal Protective Equipment (PPE) immediately after handling this product. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.  
Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.

**Conditions for safe storage, including any incompatibilities**



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**Requirements for storage areas and containers** Keep out of reach of children and animals. Keep away from direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place.

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

**Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Fipronil (Particulate.)	120068-37-3	50ug/m3 (ST ESL)	02 2013	TX ESL
Fipronil (Particulate.)	120068-37-3	5ug/m3 (AN ESL)	02 2013	TX ESL
Fipronil	120068-37-3	0.035 mg/m3 (TWA)		OES BCS*
Sucrose	57-50-1	10 mg/m3 (TWA)	02 2012	ACGIH
Sucrose (Respirable.)	57-50-1	5 mg/m3 (REL)	2010	NIOSH
Sucrose (Total)	57-50-1	10 mg/m3 (REL)	2010	NIOSH
Sucrose (Total dust.)	57-50-1	15 mg/m3 (PEL)	02 2006	OSHA Z1
Sucrose (Respirable fraction.)	57-50-1	5 mg/m3 (PEL)	02 2006	OSHA Z1
Sucrose (Respirable fraction.)	57-50-1	5 mg/m3 (TWA)	1989	OSHA Z1A
Sucrose (Total dust.)	57-50-1	15 mg/m3 (TWA)	1989	OSHA Z1A
Sucrose (Respirable fraction.)	57-50-1	5 mg/m3 (TWA)	06 2008	TN OEL
Sucrose (Total dust.)	57-50-1	15 mg/m3 (TWA)	06 2008	TN OEL
Sucrose (Particulate.)	57-50-1	50ug/m3 (ST ESL)	02 2013	TX ESL
Sucrose (Particulate.)	57-50-1	5ug/m3 (AN ESL)	02 2013	TX ESL

No control parameters known.

\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

**Exposure controls**

**Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

**Respiratory protection**

Respiratory protection is not required under anticipated circumstances of exposure.



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<b>Hand protection</b>	Chemical resistant nitrile rubber gloves
<b>Eye protection</b>	Safety glasses with side-shields
<b>Skin and body protection</b>	Wear long-sleeved shirt and long pants and shoes plus socks.
<b>General protective measures</b>	Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	light brown
<b>Physical State</b>	gel
<b>Odor</b>	characteristic
<b>Odour Threshold</b>	no data available
<b>pH</b>	no data available
<b>Vapor Pressure</b>	no data available
<b>Vapor Density (Air = 1)</b>	no data available
<b>Specific Gravity</b>	no data available
<b>Evaporation rate</b>	no data available
<b>Boiling Point</b>	no data available
<b>Melting / Freezing Point</b>	no data available
<b>Water solubility</b>	soluble
<b>Minimum Ignition Energy</b>	not applicable
<b>Decomposition temperature</b>	not applicable
<b>Partition coefficient: n-octanol/water</b>	not applicable
<b>Viscosity</b>	40,000 - 115,000 cps at 25 °C
<b>Flash point</b>	no data available
<b>Autoignition temperature</b>	no data available
<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Explosivity</b>	not applicable

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**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity**

<b>Thermal decomposition</b>	not applicable
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight. Exposure to moisture.
<b>Incompatible materials</b>	Strong oxidizing agents, Strong bases, Strong acids
<b>Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Exposure routes</b>	Eye contact, Skin Absorption, Skin contact, Ingestion
<b>Immediate Effects</b>	
<b>Eye</b>	Moderate eye irritation.
<b>Skin</b>	Harmful if absorbed through skin.

**Information on toxicological effects**

<b>Acute oral toxicity</b>	LD50 (rat) > 5,000 mg/kg
<b>Acute inhalation toxicity</b>	no data available
<b>Acute dermal toxicity</b>	LD50 (rat) > 5,000 mg/kg
<b>Skin irritation</b>	Slight irritation (rabbit)
<b>Eye irritation</b>	Minimally irritating. (rabbit)
<b>Sensitisation</b>	Non-sensitizing. (guinea pig)

**Assessment repeated dose toxicity**

Fipronil caused specific target organ toxicity in experimental animal studies in the following organ(s): liver. Fipronil caused neurobehavioral effects and/or neuropathological changes in animal studies.

**Assessment Mutagenicity**

Fipronil was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

**Assessment Carcinogenicity**

Fipronil caused an increased incidence of tumours in rats in the following organ(s): Thyroid. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.



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**ACGIH**

None.

**NTP**

None.

**IARC**

None.

**OSHA**

None.

**Assessment toxicity to reproduction**

Fipronil caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Fipronil is related to parental toxicity.

**Assessment developmental toxicity**

Fipronil did not cause developmental toxicity in rats and rabbits.

**Further information**

Acute toxicity studies have been bridged from a similar formulation(s).  
Only acute toxicity studies have been performed on the formulated product.

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**SECTION 12: ECOLOGICAL INFORMATION**

<b>Toxicity to fish</b>	LC50 (Oncorhynchus mykiss (rainbow trout)) 0.25 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient fipronil.
<b>Toxicity to aquatic invertebrates</b>	EC50 (Daphnia magna (Water flea)) 0.19 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient fipronil.
<b>Toxicity to aquatic plants</b>	EC50 (Scenedesmus subspicatus) 0.068 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient fipronil.
<b>Biodegradability</b>	Fipronil: ; not rapidly biodegradable
<b>Koc</b>	Fipronil: Koc: 427 - 1278
<b>Bioaccumulation</b>	Fipronil: Bioconcentration factor (BCF) 321; Does not bioaccumulate.
<b>Mobility in soil</b>	Fipronil: Slightly mobile in soils
<b>Environmental precautions</b>	Do not allow to get into surface water, drains and ground water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

<b>Product</b>	It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines. Never place unused product down any indoor or outdoor drain.
<b>Contaminated packaging</b>	Do not re-use empty containers. Place empty container in trash. Follow advice on product label and/or leaflet.
<b>RCRA Information</b>	Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.

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**SECTION 14: TRANSPORT INFORMATION**

According to national and international transport regulations this material is not classified as dangerous goods / hazardous material.

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**SECTION 15: REGULATORY INFORMATION**

**EPA Registration No.** 432-1460  
**US Federal Regulations**  
**TSCA list**  
None.  
**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**  
None.  
**SARA Title III - Section 302 - Notification and Information**  
None.  
**SARA Title III - Section 313 - Toxic Chemical Release Reporting**  
None.  
**US States Regulatory Reporting**  
**CA Prop65**  
This product does not contain any substances known to the State of California to cause cancer.  
  
This product does not contain any substances known to the State of California to cause reproductive harm.  
  
**US State Right-To-Know Ingredients**  
None.  
  
**Canadian Regulations**  
**Canadian Domestic Substance List**  
None.



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**Environmental**

**CERCLA**

None.

**Clean Water Section 307 Priority Pollutants**

None.

**Safe Drinking Water Act Maximum Contaminant Levels**

None.

**EPA/FIFRA Information:**

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 required on the pesticide label:

**Signal word:** Caution!

**Hazard statements:** Harmful if absorbed through skin.  
Moderate eye irritation.  
Avoid contact with skin, eyes and clothing.  
Wash thoroughly with soap and water after handling.

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**SECTION 16: OTHER INFORMATION**

**NFPA 704 (National Fire Protection Association):**

Health - 1      Flammability - 1      Instability - 0      Others - none

**HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)**

Health - 1      Flammability - 1      Physical Hazard - 0      PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

**Reason for Revision:** Revised according to the current OSHA Hazard Communication Standard (29CFR1910.1200)

**Revision Date:** 11/06/2014

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions. The product names are registered trademarks of Bayer.