







**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Yellow granules	<b>Upper/Lower Flammability Limits:</b>	Not determined
<b>Odor:</b>	Moderately sweet	<b>Vapor Pressure:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>pH (1% dispersion):</b>	6.0 – 7.0	<b>Bulk Density (@ambient temp.):</b>	0.269 g/cm <sup>3</sup> (16.8 lbs/ft <sup>3</sup> )
<b>Melting /Freezing Point:</b>	Not determined	<b>Solubility:</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

**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
<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, Inhalation
<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>	Not anticipated to be acutely toxic via dermal absorption based upon component data.
<b>Inhalation LC<sub>50</sub>:</b>	Not anticipated to be acutely toxic via inhalation based upon component data.
<b>Eye Irritation/Damage:</b>	Non-irritant (rabbit)
<b>Skin Corrosion/Irritation:</b>	Not anticipated to cause dermal irritation based upon component data.
<b>Skin Sensitization:</b>	Not anticipated to cause dermal sensitization based upon component data.

<b>Chronic/Subchronic Toxicity:</b>	No data available
<b>Mutagenicity:</b>	No data available
<b>Reproductive Toxicity:</b>	No data available
<b>Neurotoxicity:</b>	No data available
<b>Target Organs:</b>	No data available
<b>Aspiration Hazard:</b>	No data available
<b>Carcinogenicity:</b>	No data available

Chemical Name	ACGIH	IARC	NTP	OSHA
No components listed				

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

Do not apply where/when conditions could favor runoff. Cover, incorporate, or clean up granules that are spilled.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment rinse water.

**ECOTOXICITY DATA:**

<b>Fish Toxicity:</b>	Indoxacarb Technical: Rainbow trout: 96-hour LC <sub>50</sub> = 0.65 mg/L Pyriproxyfen Technical: <i>L. macrochirus</i> : 96-hour LC <sub>50</sub> >0.27 mg/L Novaluron Technical: <i>L. macrochirus</i> : 96-hour LC <sub>50</sub> >960 ppb
<b>Aquatic Invertebrate Toxicity:</b>	Indoxacarb Technical: <i>Daphnia magna</i> : 48-hour EC <sub>50</sub> = 0.60 mg/L Pyriproxyfen Technical: <i>Daphnia magna</i> : 48-hour EC <sub>50</sub> = 0.4 mg/L Novaluron Technical: <i>Daphnia magna</i> : 48-hour EC <sub>50</sub> = 0.058 mg/L
<b>Aquatic Plant Toxicity:</b>	Pyriproxyfen Technical: <i>Selenastrum capricornutum</i> : 72 hr EC <sub>50</sub> = 0.15 mg/L
<b>Avian Toxicity:</b>	Indoxacarb Technical: Bobwhite Quail: Oral LD <sub>50</sub> = 98 mg/kg Pyriproxyfen Technical: Bobwhite Quail: Oral LD <sub>50</sub> >1,906 mg/kg Novaluron Technical: Bobwhite Quail: Oral LD <sub>50</sub> >2,000 mg/kg
<b>Honeybee Toxicity:</b>	Pyriproxyfen Technical: Oral LD <sub>50</sub> >98.3 µg/bee Novaluron Technical: Oral LD <sub>50</sub> >100 µg/bee

**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**

<b>Waste Disposal:</b>	<b>Refer to the pesticide label for full information on disposal.</b> 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.
<b>Container Disposal:</b>	<b>Refer to the pesticide label for full information on disposal.</b> When possible, triple rinse the container and offer for recycling if available.
<b>RCRA Characteristics:</b>	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):** Not regulated  
**IATA (Air):** Not regulated

**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:

No signal word or precautionary statements required.

**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 %	SARA 313 – Threshold Values (lbs)
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 listed			

**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
None listed			

**SECTION 16: OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards 1</b>	<b>Flammability 0</b>	<b>Instability 0</b>	<b>Special Hazards – None</b>
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**Revision Date:** June 30, 2017  
**Document Superseded:** N/A – New document  
**Revision Note:**