

Numerical measures of toxicity

Oral LD50	5000 mg/kg
Dermal LD50	5000 mg/kg
Inhalation LC50	> 2.0 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Azoxystrobin 131860-33-8	> 5000 mg/kg (Rat)	-	= 0.698 mg/L (Rat) 4 h = 0.962 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Rabbit: Slight erythema and/or slight edema (severity 1.0 - 2.0) clearing by 72 hours. (similar formulation).
Serious eye damage/eye irritation	Rabbit: Corneal opacity and positive conjunctivitis clearing by 72 hours. (similar formulation).
Respiratory or skin sensitization	Guinea pig: Not a sensitizer (similar formulation).
Germ cell mutagenicity	No information available.
Carcinogenicity	Not classified as carcinogenic by IARC or ACGIH .
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.
Other adverse effects	No data available.
Interactive effects	No data available.

12. Ecological information

Azoxystrobin:

Bird LD50	> 2000 mg/kg	Honeybee Acute 48-h LD50	> 25 µg/bee
Bird Dietary LD50	> 1179 mg/kg feed	Earthworm Acute 14-d LC50	283 mg/kg
Fish Acute 96-h LC50	0.47 mg/L	Soil Degradation DT50	180 d
Fish Chronic 30-d NOAEC	0.147 mg/L	Aqueous Photolysis DT50	pH 7 8.7 d
Aquatic Invertebrate Acute EC50	0.23 mg/L	Aqueous Hydrolysis DT50	pH7 Stable
Aquatic Crustacean Acute LC50	0.055 mg/L	Algae Acute 72-h EC50	0.36 mg/L

Bioaccumulation Potential No data available

Reynoutria spp. toxicity to freshwater aquatic life: Fathead Minnow (96-hour acute toxicity) LC50 > 10.18 mg/L.
Category 2

Testing all beneficial insects, in all situations, mixtures and combinations, is not feasible. Prior to treating where beneficial insects are released, consult with an extension specialist or with the product manufacturer.

13. Disposal considerations**Disposal methods**

Do not reuse containers. Dispose of contents/container in accordance with local/regional/national/international regulations. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA regional Office for guidance. Dangerous to the environment. Avoid all releases to sewer.

14. Transport information

DOT: Not regulated (If shipped in NON BULK packaging by ground transport) <=119 Gallons

DOT (US) – Marine or Bulk (> 119 Gallons):

UN-Number: 3082 Class: 9 Packing Group: III

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Azoxystrobin mixture)

Other: Marine pollutant (49 CFR 171.4)

Exemptions: Not a dangerous good if single/combo packaging contains a net quantity per single/inner packaging of 5 L or less.

Air Transport (IATA)

UN-Number: 3082 Class: 9 Packing Group: III

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Azoxystrobin mixture)

Other: Marine pollutant (49 CFR 171.4)

Exemptions: "Not Restricted" as per IATA special provision A197 provided that the net quantity in any receptacle does not exceed 5 kg or 5 L and the packaging used meets defined standards.

15. Regulatory information

U.S. EPA Label Information

EPA Pesticide Registration Number 89118-14-89442

EPA Pesticide Label

Caution. Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation.

International Inventories

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AIIC	Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AIIC - Australian Inventory of Industrial Chemicals

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

16. Other information

<u>NFPA</u>	Health hazards 2	Flammability 0	Instability 0	Special hazards -
<u>HMIS</u>	Health hazards 2	Flammability 0	Physical hazards 0	Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

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Disclaimer

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REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

End of Safety Data Sheet