

SAFETY DATA SHEET

DATE OF ISSUE: 02/13/2024

1. PRODUCT AND COMPANY IDENTIFICATION
Product identifier

Product Name Altizole^T
EPA Reg. No. M 1381-
275

Recommended use of the chemical and restrictions on use

Recommended Use Agricultural fungicide
Uses advised against See product label for use restrictions.

Details of the supplier of the safety data sheet

Supplier Address
Winfield Solutions, LLC
P.O. Box 64589
St. Paul, MN 55164-0589

Non-Emergency Business Inquiries: 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)

Emergency telephone numbers

FOR MEDICAL EMERGENCY: 1-877-424-7452 (24 hrs.)

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL:
CHEMTREC 1-800-424-9300 (24 hrs.)

2. HAZARDS IDENTIFICATION
Classification
OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation	Category 4

Pictogram

Signal Word
WARNING
Hazard Statements

Harmful if swallowed or inhaled.

Precautionary Statements - Prevention

Wash thoroughly after handling. Do not eat drink or smoke when using this product. Avoid breathing mist, vapors, or spray. Use only outdoors or in a well-ventilated area.

Precautionary Statements - Response

If swallowed: Rinse mouth. Call a poison control center or doctor if you feel unwell.
If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or doctor if you feel unwell.

Precautionary Statements - Storage

See Section 7 and the product label for information on storage conditions.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with Federal, state and local regulations. See Section 10 and the product label for further information on disposal considerations.

Hazards not otherwise classified (HNOC)

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS**Mixture**

Chemical Name	CAS No	Weight-%	Trade Secret
Prothioconazole	178928-70-6	16.0	-
Azoxystrobin	131860-33-8	13.7	-

Ingredients not listed are either non-hazardous or below reportable levels.

4. FIRST AID MEASURES**Description of first aid measures**

General advice	Have the product container, label, or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.
Eye contact	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 poison control center or doctor for treatment advice.
Skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation	Remove to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
Ingestion	Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
Self-protection of the first aider	Use personal protective equipment as required.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically. Symptoms may be delayed.

Note to physicians No specific antidote. Treat symptomatically

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use CO₂, dry chemical, or foam. Do not allow run-off from firefighting to enter drains or water courses.

Unsuitable extinguishing media

High volume water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

In the event of fire and/or explosion do not breathe fumes. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Avoid contact with skin, eyes, or clothing. Avoid breathing mist, vapors, and spray. Use personal protective equipment as required.

Environmental precautions

Environmental precautions Prevent entry into waterways, sewers, basements, or confined areas. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, sawdust). Collect and transfer the product into properly labeled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

7. HANDLING AND STORAGE**Precautions for safe handling****Advice on safe handling**

RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS AND WORKERS must refer to the pesticide product label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with EPA Worker Protection Standard 40 CFR part 170. Ensure adequate ventilation. Avoid contact with skin, eyes, or clothing. Avoid breathing mist, vapors, and spray. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet, or applying cosmetics. Wash contaminated clothing before reuse. Use personal protective equipment as required.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep out of the reach of children. Store in a manner as to prevent cross contamination with other crop protections products, fertilizers, food, and feed. Store in original container. Keep container tightly closed in a dry and well-ventilated place.

Incompatible materials Do not use or store near oxidizing or reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THE PRODUCT. FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Chemical	CAS. No.	Control Parameter	Basis
Propylene Glycol	57-55-6	10mg/m ³ (TWA)	US WEEL
Sodium Hydroxide	1310-73-2	2 mg/m ³ (PEL) 2 mg/m ³ (Ceiling) 2 mg/m ³ (Ceiling)	OSHA Table Z-1 ACGIH (TLV) NIOSH (REL)
Glycerin	56-81-5	15 mg/m ³ (PEL) – Total dust 5 mg/L (PEL) – Respirable fraction	OSHA Table Z-1

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Exposure controls/personal protection continued....

Individual protection measures, such as personal protective equipment

Eye/face protection	Tight sealing safety goggles.
Skin and body protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory protection	If limits are exceeded or irritation occurs, select NIOSH approved equipment based on actual or potential airborne concentrations.
General Hygiene	When using do not eat, drink, or smoke. Wash thorough after handling. Wash contaminated clothing/personal protective equipment before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	Liquid
Color	White
Odor	Mild, sweet

<u>Property</u>	<u>Values (Remarks - Method)</u>
pH	5.5 - 7
Melting point / freezing point	No data available
Boiling point	No data available
Flash point	> 230°F
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability Limit in Air	No data available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Vapor pressure	No data available
Vapor density	No data available
Water solubility	No data available
Solubility in other solvents	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Explosive properties	Not Explosive
Oxidizing properties	No data available

Other Information

VOC Content (%)	No data available
Density	9.1 – 9.3 lbs/gal

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature. Do not use with or store near any oxidizing or reducing agents.

Incompatible materials

Do not use with or store near any oxidizing or reducing agents.

Hazardous Decomposition Products

None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Immediate Effects

- | | |
|---------------------|---|
| Inhalation | LC ₅₀ (rat): >2.06 mg/L (highest attainable concentration; no mortality). May be harmful if inhaled. |
| Eye contact | Minimally irritating to eyes based on animal studies. |
| Skin contact | LD ₅₀ (rat): >5,050 mg/kg. Non-irritating to skin based on animal studies. |
| Ingestion | LD ₅₀ (rat): 3,129 mg/kg (estimate: no mortality). Harmful if swallowed. |

Respiratory or Skin Sensitization

This product is not anticipated to cause respiratory sensitization. In an animal study this product did not cause or skin sensitization.

Assessment STOT Specific target organ toxicity – repeated exposure

Prothioconazole: Did not cause specific target organ toxicity in experimental animal studies.

Azoxystrobin: No adverse effect has been observed in chronic toxicity tests.

Assessment mutagenicity

Prothioconazole: Was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

Azoxystrobin: Animal testing did not show any mutagenic effects.

Assessment carcinogenicity

Prothioconazole: Was not carcinogenic in lifetime feeding studies in rats and mice.

Azoxystrobin: No evidence of carcinogenicity in animal studies.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Toxicological information continued....

Assessment toxicity to reproduction

Prothioconazole 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 Prothioconazole is related to parental toxicity.

Azoxystrobin: No toxicity to reproduction.

Assessment developmental toxicity

Prothioconazole: Caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Prothioconazole are related to maternal toxicity.

Azoxystrobin: No toxicity to reproduction.

12. ECOLOGICAL INFORMATION

Ecotoxicity**Persistence and degradability**

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods**Disposal of wastes**

Triple rinse (or equivalent), adding rinse water to spray tank. Do not contaminate water, food, or feed by disposal. Dispose of in accordance with Federal, state, and local regulations. See product label for further instructions.

Contaminated packaging

Triple rinse (or equivalent). Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. Do not contaminate water, food or feed by disposal. Do not reuse container. Dispose of in accordance with Federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT (domestic ground)

Not regulated

IMDG:

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN, PROTHIOCONAZOLE), 9, PG III, Marine Pollutant

IATA:

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S., (Azoxystrobin, Prothioconazole), 9, PG III

15. REGULATORY INFORMATION

NFPA	Health hazards 1	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection X

0 - Least

1 - Slight

2 - Moderate

3 - High

4 - Severe

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

Refer to Section 2 of this SDS for appropriate classifications.

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**U.S. State Right-to-Know Regulations**

Chemical Name	CAS No.	MA	NJ	PA	RI
Propylene glycol	57-55-6		X	X	
Sodium hydroxide	1310-73-2	X	X	X	X
Glycerol	56-81-5	X	X		X
Dipropylene glycol	25265-71-8			X	
NJTS RTK 26175-2748A	Proprietary		X		
NJTS RTK 26175-2748B	Proprietary		X		
NJTS RTK 26175-2748C	Proprietary		X		
NJTSN 08306620-11175P	Proprietary		X	X	
NJTSN 08306620-11514P	Proprietary		X	X	
NJTSN 08306620-11508P	Proprietary		X	X	
Xylene	1330-20-7			X	
Ethylene Benzene	100-41-4			X	

California Proposition 65

WARNING: This product can expose you to chemicals including ethylene oxide which is known to the State of California to cause cancer, and ethylene oxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Other state regulations may apply. Check individual state requirements.

U.S. EPA Label Information

EPA Pesticide Registration Number: 1381-275

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

Human Hazard Statements: Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Physical/Chemical Hazard Statements: Do not use with or store near any oxidizing or reducing agents.

Environmental Hazard Statements: This product is toxic to fish, aquatic invertebrates, and aquatic plants. **DO NOT** apply directly to water, or 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 washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Ground Water Advisory

Azoxystrobin, a degradate of azoxystrobin, and degradates of prothioconazole are known to leach through soil to ground water under certain conditions as a result of label use. These chemicals may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination from runoff water and sediment. Runoff of this product will be reduced by avoiding application when rainfall or irrigation is expected to occur within 48 hours.

16. OTHER INFORMATION

Issue Date 02/13/2024 (NEW)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet