

Aquatrols Wingspan UniTech

Revision: 1.0 US

Issuing date: 01.07.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

<u>Product identifier on label</u>	Aquatrols Wingspan UniTech 4SC
<u>Use</u>	Fungicide
<u>Supplier or Manufacturer</u>	Aquatrols Corporation of America 1273 Imperial Way Paulsboro, NJ 08066 Phone number: 1-856-537-6003
<u>Emergency telephone</u>	FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

SECTION 2: Hazards identification

<u>Classification</u>	Skin Corrosion/Irritation: Category 2 Skin Sensitizer: Category 1B Eye Damage/Irritation: Category 2B
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Signal Word (OSHA) Warning

Hazard Statements
Causes skin irritation
May cause an allergic skin reaction
Causes eye irritation

Hazard Symbols


Precautionary Statements

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice.
Avoid breathing mist, vapors, spray.
Wash hands and face thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, protective clothing, eye protection.
If on skin: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice.
See Section 4 First Aid Measures.
Take off contaminated clothing and wash it before reuse.
Dispose of contents and container in accordance with local regulations.

Other hazard statements None

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SECTION 3: Composition/information on ingredients

Chemical Name	Common Name	CAS Number	Concentration
3-chloro-N-[3-chloro-2, 6-dinitro-4-trifluoromethyl)phenyl]-5-trifluoromethyl-2-pyridinamine	Fluazinam	79622-59-6	40.00%
UniTech	Trade Secret	Trade Secret	≤10%
Other Inert Ingredients	Trade Secret	Trade Secret	<50%

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

SECTION 4: First aid measures

Have the product container, label, or Safety Data Sheet with you when calling a poison control center, or doctor, or going for medical treatment. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled: Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center (1-800-222-1222) or doctor for treatment advice.

Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center (1-800-222-1222) or doctor for treatment advice.

Skin Contact: If on skin or clothing: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center (1-800-222-1222) or doctor for treatment advice.

Ingestion: If swallowed: Obtain immediate medical attention. Call a poison control center (1-800-222-1222) immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a medical professional. Do not give anything by mouth to an unconscious person.

Most important symptoms/effects: Eye irritation
Skin irritation
Allergic skin reaction

Indication of immediate medical attention and special treatment needed:

There is no specific antidote if this product is ingested.

Treat symptomatically.

Persons suffering a temporary allergic reaction may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

SECTION 5: Firefighting measures
Suitable (and unsuitable) extinguishing media

Recommended extinguishing media: use dry chemical, foam or CO2 extinguishing media. If water is used to fight fire, dike and collect runoff.

Special hazards arising from the substance or mixture

During a fire, irritating and possibly toxic gases may be generated by thermal composition or combustion.

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Special protective equipment and precautions for firefighters

Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.

SECTION 6: Accidental release measures
Personal precautions, protective equipment and emergency procedures

Follow exposure controls/personal protection outlined in Section 8.

Environmental precautions

Do not allow spills to enter drains or watercourses.

Methods and materials for containment and cleaning up

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions in Protective Equipment Section. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Do not use solvents. Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

SECTION 7: Handling and storage
Precautions for safe handling

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling the material. Do not get in eyes, on skin, or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking or smoking. Remove contaminated clothing and clean before reuse.

Conditions for safe storage, including any incompatibilities

Store this material in a locked storage area. Store in tightly closed containers in dry, well-ventilated area away from excessive heat and incompatibles.

SECTION 8: Exposure controls/personal protection

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation and packaging of this product.

For commercial applications and/or on-farm applications consult the product label.

Occupational Exposure Limits:

Chemical Name	CAS#	OSHA PEL	ACGIH TLV	Other
Fluazinam	79622-59-6	Not Established	Not Established	0.7 mg/m ³ TWA
Other ingredients	Proprietary Blend	Not Applicable	Not Applicable	Not Applicable

Appropriate engineering controls: Use effective engineering controls to comply with occupational exposure limits (if applicable)

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Exposure controls

Respiratory	A respirator is not normally required when handling this substance. Use effective engineering controls to comply with occupational exposure limits.
Eyes	Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.
Skin	Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride [PVC] or Viton), coveralls, socks and chemical-resistant footwear.
Ingestion	Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

SECTION 9: Physical and chemical properties

Appearance	Light yellow-orange liquid
Odor	Characteristic
Odor threshold	Not Measured
pH (1% in DI water)	5.5
Melting point/freezing point (C)	Not measured
Initial boiling point and boiling range (C)	Not measured
Flash Point	Not measured
Evaporation rate (Ether = 1)	Not measured
Flammability (solid, gas)	Not measured
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not measured
Vapor pressure (Pa)	Not measured
Vapor density	Not measured
Specific Gravity	1.24-1.26
Partition coefficient n-octanol/water (Log Kow)	Not measured
Auto-ignition temperature (C)	Not measured
Decomposition temperature (C)	Not measured
Viscosity (cSt)	750-1000 cPs
VOC%	Not measured

Other information No other relevant information.

SECTION 10: Stability and reactivity

Reactivity	Not chemically reactive.
Chemical stability	Stable under normal use and storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Avoid contact with heat or open flame.
Incompatible materials	None known.
Hazardous decomposition products	Not anticipated under normal conditions of use.

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SECTION 11: Toxicological information
Health Effects Information

Likely routes of exposure: Dermal, inhalation
 Symptoms of exposure: Eye irritation, skin irritation
 Delayed, immediate and chronic effects of exposure: Eye irritation, skin irritation, allergic skin reaction

Numerical measures of toxicity (acute toxicity/irritation studies (finished product))

Ingestion: Oral (LD50 Rat): >5000 mg/kg body weight
 Dermal: Dermal (LD50 Rat): >2000 mg/kg body weight
 Inhalation: Inhalation (LC50 Rat): >23 mg/l air – 4 hours
 Eye Contact: Moderately Irritating (Rabbit)
 Skin Contact: Moderately Irritating (Rabbit)
 Skin Sensitization: Demonstrated potential to produce dermal sensitization.

Reproductive/Developmental Effects: Fluazinam: Did not show teratogenic effects in animal experiments.

Chronic/Subchronic Toxicity Studies: Fluazinam: Not available.

Carcinogenicity: Fluazinam: Did not show carcinogenic or mutagenic effects in animal experiments.

Toxicity of other Components: Propylene Glycol: Reported to cause central nervous system depression (anesthesia, dizziness, confusion), headache and nausea. Also, eye irritation may occur with lacrimation but no residual discomfort or injury. Prolonged contact to skin may cause mild to moderate irritation and possible allergic reactions. Chronic dietary exposure caused kidney and liver injury in experimental results.

SECTION 12: Ecological information

The information presented here is for the active ingredient, fluazinam.

Eco-Acute Toxicity

Fluazinam: Fish (Rainbow Trout) 96-hour LC50 36 ppb
 Invertebrate (Water Flea) Daphnia Magna 48-hour EC50 180 ppb
 Green Algae 4-day EC50 0.18 ppm
 Bird (Bobwhite Quail) 14-day LD50 1782 mg/kg

Persistence and degradability There is evidence of degradation in soil and water.

Environmental Fate and Distribution Solid with low volatility. The substance is essentially insoluble in water.

Bioaccumulative potential Not measured.

Mobility in soil Low mobility in soil.

SECTION 13: Disposal considerations

Disposal Do not reuse product containers. Dispose of product containers, waste containers and residues according to local, state and federal health and environmental regulations.

Characteristic Waste Under certain circumstances, discarded product may exhibit TCLP hazardous characteristics. A hazardous waste determination should be done on a case by case basis.

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SECTION 14: Transport information
DOT Classification

Ground Transport – NAFTA
Not regulated

Comments
Water Transport – International

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Fluazinam), Marine Pollutant

Hazard Class: Class 9

Identification Number: UN 3082

Packing Group: PG III

Air Transport

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Fluazinam)

Hazard Class: Class 9

Identification Number: UN 3082

Packing Group: PG III

SECTION 15: Regulatory information

Pesticide Registration: 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:

Warning: Causes skin irritation. Harmful if absorbed through skin. Causes moderate eye irritation. Harmful if inhaled or swallowed. Do not get on skin or clothing. Avoid contact with eyes. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the restroom. Remove contaminated clothing and wash clothing before reuse. Do not take internally.

EPA Registration Number: 94396-32

EPCRA SARA Title III Classification:

Section 311/312 Hazard Classes: Acute Health Hazard
Chronic Health Hazard

Section 313 Toxic Chemicals: None

Toxic Substance Control Act (TSCA) Exempt from TSCA, subject to FIFRA

CERCLA/SARA 304 Reportable Quantity (RQ): None

RCRA Hazardous Waste Classification (40 CFR 261): Not Applicable

SECTION 16: Other information
HMIS Hazard Rating

Health 2
Flammability 1
Reactivity 0

NFPA Hazard Ratings

Health 2
Flammability 1
Reactivity 0

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. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.