

Retenu Advanced

Revision: 1.1 US

Issuing date: 6.13.2025

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

<u>Product identifier on label</u>	Retenu Advanced
<u>Use</u>	Wetting Agent
<u>Supplier or Manufacturer</u>	Aquatrols Corporation of America 1273 Imperial Way Paulsboro, NJ 08066 Phone number: 1-856-537-6003 info@aquatrols.com
<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>Signal Word (OSHA)</u>	None
<u>Hazard Statements</u>	The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
<u>Hazard Symbols</u>	None
<u>Precautionary Statements</u>	(PREVENTION) None (RESPONSE) None

SECTION 3: Product Composition**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.120**

This product does not contain any components classified as hazardous under the referenced regulation.

SECTION 4: First aid measures

General advice:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
------------------------	--

Retenu Advanced

Revision: 1.1 US

Issuing date: 6.13.2025

First Aid Response:

- Inhalation:** Remove casualty to fresh air and keep warm and at rest.
If unconscious, place in recovery position and seek medical advice.
- Ingestion:** Keep respiratory tract clear.
Do NOT under any circumstances induce vomiting.
Seek immediate medical advice.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Eye Contact:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Skin Contact:** Wash with plenty of water and soap.

Most important symptoms and effects, both acute and delayed:

Not known.

Indication of any immediate medical attention and special treatment needed:

Not known.

SECTION 5: Firefighting measures

- Suitable extinguishing media:** Water. Carbon dioxide (CO₂).
- Unsuitable extinguishing media:** Not known.
- Specific hazards during firefighting:** Do not inhale explosion or combustion gases.
- Further information:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

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

Use personal protective equipment. Remove persons to safety. See protective measures under Section 7 and 8.

Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drain, inform the responsible authorities.

Methods and materials for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand. Wash with plenty of water.

SECTION 7: Handling and storage**Advice on protection against fire and explosion**

Normal measures for preventive fire protection.

Retenu Advanced

Revision: 1.1 US

Issuing date: 6.13.2025

Advice on safe handling

Avoid contact with skin and eyes, inhalation or vapors and mists. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep container upright. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Ensure adequate ventilation in working area. Incompatible materials: None known. Suggested packaging: Plastic drums/IBCs.

Further information on storage stability

No decomposition if stored and applied as directed.

SECTION 8: Exposure controls/personal protection

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Appropriate engineering controls: No data available

Personal protective equipment: Use close fitting safety goggles.

Eyes Protection: Eye wash bottle with pure water.
Tightly fitting safety goggles.
Wear face shield and protective suit for abnormal processing problems.

Skin/Body Protection: Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized. In case of prolonged contact, use of protective gloves is recommended, providing comprehensive protection to chemicals.

Hygiene measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of the workday.

General Protective and Hygienic Measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing and wash before reuse. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

SECTION 9: Physical and chemical properties

Appearance	Liquid
Odor	Slight
Odor threshold	Not measured
pH (1% in DI water)	6.0 – 7.5 (10 g/l in water)
Solubility in water	Soluble
Melting point/freezing point (C)	Not measured
Initial boiling point and boiling range (C)	> 150°C
Flash Point	> 100°C
Evaporation rate (Ether = 1)	Not measured
Flammability (solid, gas)	Not measured
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not measured Upper Explosive Limit: Not measured
Vapor pressure (Pa)	Not measured
Vapor density	Not measured
Specific Gravity	~ 0.97 kg/l (20°C)
Partition coefficient n-octanol/water (Log Kow)	Not measured

Retenu Advanced

Revision: 1.1 US

Issuing date: 6.13.2025

Auto-ignition temperature (C)	Not measured
Decomposition temperature (C)	Not measured
Viscosity (cSt)	Not measured
VOC%	Not measured

Other information

No other relevant information.

SECTION 10: Stability and reactivity

Reactivity	Stable under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Stable under normal conditions.
Conditions to avoid	Stable under normal conditions.
Incompatible materials	Strong oxidizers.
Hazardous decomposition products	Not known.

SECTION 11: Toxicological information

Acute toxicity:	Not classified based on available information. LD50 Oral Rat > 2000 mg/kg – source: By analogy to product with similar composition.
Skin corrosion/irritation:	Not classified based on available information. Skin Irritation: repeated and prolonged contact may cause slight irritation.
Serious eye damage/eye irritation:	Not classified based on available information. Eye Irritation: repeated and prolonged contacts may cause slight irritation.

Respiratory or skin sensitization

Skin sensitization	Not classified based on available information.
Respiratory sensitization	Not classified based on available information.
Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	Not classified based on available information.

IARC	No component 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.
-------------	--

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

Reproductive toxicity	Not classified based on available information
------------------------------	---

STOT – single exposure	Not classified based on available information
-------------------------------	---

STOT – repeated exposure	Not classified based on available information
---------------------------------	---

Aspiration toxicity	Not classified based on available information
----------------------------	---

Retenu Advanced

Revision: 1.1 US

Issuing date: 6.13.2025

SECTION 12: Ecological information

<u>Ecotoxicity</u>	Not classified for environmental hazards EC50/LC50 aquatic species > 1-10 mg/l – By analogy to product with similar composition.
<u>Persistence and degradability</u>	Readily biodegradable – Test: OECD 301 B – Duration: 29 days : 90% - Internal data
<u>Bioaccumulative potential</u>	No data available
<u>Mobility in soil</u>	No data available
<u>Endocrine disrupting properties</u>	No endocrine disruptor substances present in concentration >= 0.1%
<u>Other adverse effects/information</u>	None

SECTION 13: Disposal considerations

<u>Waste Disposal</u>	Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used containers. Dispose of container according to local regulations.
<u>Container Disposal</u>	Empty remaining contents. Dispose of as unused product. Do not reuse empty containers.

SECTION 14: Transport information

UNRTDG	Not regulated as a dangerous good
IATA-DGR	Not regulated as a dangerous good
IMDG-Code	Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable for product as supplied

National Regulations 49 CFR Not regulated as a dangerous good

SECTION 15: Regulatory information**HMIS Hazard Rating**

Health	0
Flammability	0
Reactivity	0

NFPA Hazard Ratings

Health	0
Flammability	0
Reactivity	0

EPCRA – Emergency Planning and Community Right-to-Know Act**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 302 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TRQ.

SARA 311/312 Hazards

This product does not contain any components classified as hazardous under the referenced regulation.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112® for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 11 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act, Section 307.

This product does not contain any priority pollutants related to the U.S. Clean Water Act.

SECTION 16: Other information

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.