U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:
_X_ Registration
___ Reregistration
(under FIFRA, as amended)

EPA Reg. Number:	Date of Issuance:
46982-10	6/24/25

Term of Issuance:
Conditional

Name of Pesticide Product:
AS-725

Name and Address of Registrant (include ZIP Code):

Eliot Harrison
Agent for APPLIED SPECIALTIES, LLC
Lewis & Harrison
33555 Pin Oak Parkway,
Avon Lake, OH 44012
Electronic Transmittal: eharrison@lewisharrison.com

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Steven Snyderman

Steven Snyderman, Product Manager 33
Regulatory Management Branch II
Antimicrobials Division (7510M)
Office of Pesticide Programs

Date: 6/24/25

EPA Form 8570-6

2. You are required to comply with the data requirements described in the DCI Order identified below:

    a. Hydrogen Peroxide: GDCI-000595-1127
    b. Peroxyacetic Acid: GDCI-063201-1125

    You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI Order listed above, you may contact the Reevaluation Team Leader (Team 36): https://www.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobials-division#rb

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.

4. Make the following label changes before you release the product for shipment:

    - Revise the EPA Registration Number to read, "EPA Reg. No. 46982-10."

5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Assurance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 12/2/2024

If you have any questions, please contact Srinivas Gowda by phone at 202-565-0078, or via email at gowda.srinivas@epa.gov.

Enclosure: Stamped Label

ACCEPTED
06/24/2025
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 46982-10

AS-725
(ANTIMICROBIAL SOLUTION)

ACTIVE INGREDIENTS:
Peroxyacetic Acid 15.3%
Hydrogen Peroxide 22.5%
INERT INGREDIENTS 62.2%
TOTAL 100.00%

Manufactured For: Applied Specialties, Inc., 33555 Pin Oak Parkway, Avon Lake, OH 44012

APPLIED SPECIALTIES, INC.

EPA REGISTRATION NO. 46982-XX
EPA EST. NO. 104140-LA-1
(First Letter of lot code indicates site of manufacture)

NET CONTENTS: 3000 LBS

LOT. NO.

EXPIRATION DATE:

KEEP OUT OF REACH OF CHILDREN
STRONG OXIDIZING AGENT
DANGER - PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la expuque a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)
[Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.]
See Side Panel for Additional Precautionary Statements and Usage Directions.

FIRST AID	
IF IN EYES:	• 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 eyes. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	• 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.
IF SWALLOWED:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth- to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For general information on product use, etc., call the National Pesticides Information Center at 1-800-856-7378. You may also contact the poison control center at 1-800-222-1222 for emergency medical treatment information. For chemical emergencies, call Chemtrec at 800-424-9300, 24 hours a day.	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIAMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed, inhaled, or absorbed through the skin. Do not get in eyes, on skin, or clothing. Do not breathe vapor or spray mist. Wear protective eyewear (such as goggles, a face shield, or safety glasses). Wear coveralls worn over long-sleeved shirt and long pants, socks, and chemical-resistant footwear, and waterproof gloves. Wear a chemical resistant apron, when mixing and loading. Wear a minimum of NIOSH-approved elastomeric half mask respirator with organic vapor (OV) cartridges and combination N, R, P filter; OR a NIOSH- approved gas mask with OV canisters; OR a NIOSH-approved powered air purifying respirator with OV cartridges and combination HE filters. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

PHYSICAL OR CHEMICAL HAZARDS - Strong oxidizing agent. Mix only with water. AS-725 is not combustible, but at temperatures exceeding 156°F, decomposition occurs releasing oxygen. The oxygen released could initiate or promote combustion of other materials.

ENVIRONMENTAL HAZARDS - This pesticide is toxic to birds, mammals, fish and aquatic life. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to the discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment facility authority. For guidance, contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

II is a violation of Federal law to use this product in a manner inconsistent with its labeling.

REVERSE OSMOSIS (RO), ULTRA FILTRATION (UF) AND OTHER MEMBRANE CLEANING

This product may be used on ultra-filtration (UF) and reverse osmosis (RO) membranes, and their associated piping systems. This product is not for use in kidney dialysis equipment. Do not use the intermittent dosing methods for nano- or ultra-filtration food or drinking water applications. This product may not totally eliminate all vegetative microorganisms in RO or NF or UF membranes and their associated piping systems due to their construction or assembly, but can be relied upon to reduce the number of microorganisms to acceptable levels when used as directed. Prior to using this product, check with membrane manufacturer to confirm compatibility of membranes with various types or concentration of peracetic acid solutions.

Batch Sanitation of NF, UF and RO Systems: Isolate incompatible equipment, such as carbon filters and ion exchangers. Clean system with an appropriate cleaner and follow with RO permeate water or potable water. Remove mineral deposits, if necessary, with an acidic cleaner, and rinse as before. Fill entire system with water and add up to 0.39% of this product by volume. This will equal 680 ppm peroxyacetic acid and 1000 ppm hydrogen peroxide. Recirculate solution through the piping and membrane system at 20°C for 10 minutes minimum, or up to 4 hours, depending on the severity of cleaning to be done. Open and close process valves and solenoids to be sure all parts are in contact with the solution. Rinse the system with RO permeate or potable water until residual peroxygen concentration is below 1 ppm.

Continuous or Intermittent Addition: For continuous addition (dosing) for RO systems, use 1.5- 3.5 fluid ounces per 1000 gallons of water. This produces 2 to 4.6 ppm peroxyacetic acid and 3 to 7 ppm hydrogen peroxide. For intermittent feed, do not exceed 87 ppm active peroxyacetic acid, which equals 0.64 fluid ounces of this product per 10 gallons of feed water. Intermittent dosing of this product is not allowed for use in NF or UF systems for on-line food or drinking water applications.

BIOFOULING CONTROL IN PULP, PAPER AND PAPERBOARD MILL AND WATER SYSTEMS

For use in the manufacture of paper and paperboard intended for food and non-food contact. AS-725 can be used to control bacterial, fungal and yeast growth in pulp, paper and paperboard or non-woven process water and influent systems.

Influent Water Systems: This product should be fed continuously to incoming fresh water streams for non-potable use only, at dosages ranging from 1.5-25 fluid ounces of this product per 1000 gallons of raw or process water this produces 2.0 to 34 ppm peroxyacetic acid and 3.0 to 50 ppm hydrogen peroxide. Adjust dosage as necessary to maintain microbiological control.
Severely fouled systems: should be cleaned before initial treatment with AS-725. Refer to the plant operations manual for directions for cleaning severely fouled systems. The product should be added directly to the system and not mixed with any other chemicals or additives; other chemicals can be added separately. Contamination with other chemicals could result in product decomposition. Add the AS-725 at a point in the system where ii can be mixed uniformly with the pulp, e.g., the beater, hydro-pulper, fan pump, broke pump etc.
Intermittent feed method: Apply 7 to 16 fluid ounces of AS-725 Acid Sanitizer per ton (Dry basis) of pulp or paper produced for two to three hours every eight-hour shift. Maintain a concentration that provides adequate control. Daily rate could change depending on the severity of the biofouling.
Continuous feed method: Initially, use the intermittent feed method to achieve control. When control is accomplished, apply AS-725 continuously at the rate determined adequate for intermittent control. Then reduce the rate of addition to the lowest level sufficient to maintain control.
Depending on the severity of the biofouling, control usually can be maintained using a continuous rate of 2.6 to 16 fluid ounces of AS-725 solution per ton (dry basis) of pulp or paper produced on a continuous basis. This will provide 15 to 91 ppm of peroxyacetic acid and 22 to 133 ppm of hydrogen peroxide.

Mill Process Waters:
Intermittent Feed: Apply 7 to 16 fluid ounces of AS-725 per ton (dry basis) of pulp or paper produced for two to three hours every eight-hour shift. Maintain a concentration that provides adequate control. Daily rate could change depending on the severity of the biofouling.
Continuous Feed: Initially, use the intermittent feed method to achieve control. When control is accomplished, apply AS-725 continuously at the rate determined adequate for intermittent control. Then reduce the rate of addition to the lowest level sufficient to maintain control. Depending on the severity of the biofouling, control usually can be maintained using a continuous rate of 2.6 to 13.4 fluid ounces of AS-725 solution per ton (dry basis) of pulp or paper produced on a continuous basis. This will provide 15 to 76 ppm of peroxyacetic acid and 22 to 111 ppm of hydrogen peroxide.
Shock (slug) Dose: This product may be used to shock dose systems requiring a high level of biofouling control. Use rates ranging from 13.5-108 fluid ounces of this product per ton (dry basis) of pulp or paper produced may be necessary. This dosage is equivalent to 76 to 612 ppm of peroxyacetic acid. Shock dose every 1-3 hrs. as necessary until biofouling control is evident. Thereafter, revert to continuous or intermittent feed methods.

Control of Slime Forming Bacteria and Biofouling in Recirculating Cooling Water Systems (Cooling Towers, Evaporative Condensers, Air Washers) Non-Food Contact Water Systems and Ornamental or Recreational Water Features

AS-725 is for use in treating raw (make-up) and process waters, closed and opened loop systems such as heat exchangers, wet scrubbers, cooling towers, evaporative condensers and recirculating industrial process waters, such as pulp and paper mill water systems.
Severely fouled systems: should be cleaned before adding the AS-725 solution. (Refer to the system operation manual for directions to clean severely fouled systems). The product should be added directly to the system and not mixed with any other chemicals or additives. Other chemicals should be added separately. Never add AS-725 into any feeding device, such as shot feeders, filler housings, by-pass feeders, or miscellaneous piping of any kind, because dangerous acute decomposition can occur. Discontinue the use of chlorine or bromine products prior to using AS-725.
Contamination. Contamination with other chemicals could result in product decomposition. Add the AS-725 solution only to water at a point in the system where uniform mixing and even distribution will occur.
Intermittent feed method: When the system is noticeably fouled, apply 10 to 16 fluid ounces of AS-725 solution per 1000 gallons of water in the system. Repeal until control is achieved. When microbial control is evident, add 716 fluid ounces of the solution per 1000 gallons of water in the system every day, or as needed, to maintain control. The daily dose rate could vary depending upon the severity of the biofouling
Continuous feed method: When the system is just noticeably fouled, apply 2.6 to 14 fluid ounces of AS-725 solution per 1000 gallons of water in the system. When microbial control is achieved, start adding AS-725 solution continuously at a rate of 12.5 fluid ounces per 1000 gallons of water (provides 17 ppm peroxyacetic acid and 25 ppm of hydrogen peroxide). Then reduce the rate of addition to a level sufficient to maintain control. The dose rate may have to be adjusted to account for losses due to blowdown and evaporation. Add 1.4 fluid ounces of AS-725 for every

100 gals of make-up water.
Shock (Slug) Dose: For moderately to severely fouled systems add 5-20 fluid ounces of this product per 1000 gallons of process water (6.7-27 ppm peroxyacetic acid). Repeat as necessary until microbiological control is evident.
Air Washers: AS-725 may be used to control bacteria and biofouling in industrial air washing/scrubbing systems. The air washer must have operational and effective mist elimination systems. Prior to use of this product, heavily fouled systems must be pre-cleaned using an appropriate cleaner. Continuous dosing methods will require 2-7 ppm and intermittent dosing methods require 7-14 ppm (as peroxyacetic acid) depending on the type of system and the level of microbiological control desired.
Evaporated or Condensed Water: This product may be used to treat SWEET or COW water (e.g. condensate of whey) collected from evaporated or condensing water systems in food or dairy plants. Continuous dosing methods will require 2-7 ppm and intermittent dosing methods as described in the previous paragraph depending on the type of system and the level of microbiological control desired.

Non-Public Health Microbial Control in Sewage and Wastewater Effluent Treatment Plants

Use AS-725 to treat sewage and wastewater effluent related to public and private wastewater treatment plants. AS-725 can be applied directly to the effluent or may be used with an appropriate activator such as hydrogen peroxide or other technology such as Ultra Violet (UV). AS-725 may be applied to effluent water discharged from trickle bed or percolating fluidized bed filters. The application rate for individual facilities will depend on the degree of bio loading of the effluent stream to be discharged and the local microbial discharge limit. Adjust application rate to meet the need of the individual facility.
Add AS-725 to effluent water at a concentration of 0.5 ppm to 45 ppm and 69 ppm hydrogen peroxide. Allow contact time of approximately 15 to 60 minutes. The maximum amount of peracetic acid that can be discharged from the treatment facility is 1 ppm. Use an appropriate peracetic acid test kit analyzer to ensure that this level is not exceeded.

Treatment of Processing Waters and Surfaces to Control Growth of Non-Public Health Microorganisms that can Cause Spoilage of Fresh-Cut, Raw Post-Harvest or Processed Fruits, Nuts and Vegetables

Ensure that the water is recirculating or mixing in the processing lank or water line. Prepare AS-725 solution by diluting 0.68 -3.6 fluid ounces per 25 gallons of water. Ensure that the solution is thoroughly mixed. This provides 37-196 ppm of peroxyacetic acid and 54 to 288 ppm of hydrogen peroxide. Allow the solution to circulate at least 45 seconds before adding or treating raw fruits and vegetables. Dose as needed to maintain 40-500 ppm of peroxyacetic acid by adding AS-725 to processing water. Allow a minimum contact time of 45 seconds. Do not rinse. Prepare fresh process water daily to ensure effectiveness. Do not reuse water that is badly fouled.

Fogging Instructions: Apply AS-725 as a fog to control the growth of non-public health microorganisms that may cause decay and/or spoilage on raw, post-harvest fruits and vegetables during the post-harvest process. Commercially applied fogging methods may be used, provided the dilution rate of the resultant solution does not exceed those prescribed in this section (85-100 ppm 100% peracetic acid in the use solution). Conventional corrosion-resistant fogging devices are recommended. Applicable for use on all types of post-harvest commodities. Vacate all personnel from the room during fogging. Fog areas using one quart per 1,000 cu. ft. of room area with a 0.06% AS-725 solution per 1,000 cu. ft. of room volume. Exit the area or space immediately and remain outside the treated area or space until the area or space is thoroughly ventilated and until fog or mist has dispersed. Do not enter room until hydrogen peroxide concentrations are tested and are below 1 ppm on a time-weighted average. Reentry times may vary.

STORAGE AND DISPOSAL

Do Not Contaminate Water, Food or Feed by Storage and Disposal.

Storage: NEVER RETURN AS-725 TO THE ORIGINAL CONTAINER AFTER IT HAS BEEN REMOVED.
Avoid all contaminants, especially dirt, caustic, reducing agents, and metals. Contamination and impurities will reduce shelf life and can induce decomposition. In case of a decomposition, isolate container, douse container with cool water and dilute with large volumes of water. Avoid damage to containers. Keep closed at all times when not in use. Keep container out of direct sunlight. To maintain product quality, store at temperatures below 86°F. Do not store on wooden pallets.

Procedure for Leak or Spill: Stop leaks if this can be done without risk. Shut off ignition sources; no flames, smoking flares, or spark producing tools. Keep combustible and organic materials away. Flush spilled material with large quantities of water. Undiluted material should not enter confined spaces.

Pesticide Disposal: If material has been spilled, an acceptable method of disposal is to dilute with at least 20 volumes of water followed by discharge into suitable treatment system in accordance with all local, state and Federal environmental laws, regulations, standards, and other requirements. Because acceptable methods of disposal may vary by location, regulatory agencies should be contacted prior to disposal. Product to be discarded should be disposed of as hazardous waste after contacting the appropriate local, state, or Federal agency to determine proper procedures.

Container Handling Non-refillable containers greater than or equal to five gallons:
Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix lank. Fill the container 1/4 full with water. Replace and lighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty rinsate into application equipment or mix lank or store rinsate for later use or disposal. Repeal this procedure two more times. Empty drums are not returnable to manufacturer unless special arrangements have been made. Dispose of drums in accordance with local state, and Federal regulations.

UN3109

Organic Peroxide Type F, Liquid (<=25% Peracetic Acid with <=26% Hydrogen Peroxide) 5.2 (8)