

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

64005-5

DATE OF ISSUANCE

AUG 11 1995

TERM OF ISSUANCE

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

Pur Hiker

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Recovery Engineering, Inc.
2229 Edgewood Avenue South
Minneapolis, MN 55426

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

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 sec. 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 64005-5."
- b. On the Side Panel of the package label, in the statement, "The only purifier...", delete the words "the only."
- c. Add to the package label the statement, "Refer to enclosed brochure for directions for use."
- d. On the package label, under the product name, add the statement, "For use only with the PUR Hiker Microfilter as a microbiological water purifier." (This cartridge product is not being EPA-registered for use with any other pump/pre-filter device.)

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

- e. In the brochure, under the heading, "More Information about Anticlog Technology," delete the statement, "In fact, each Anticlog cartridge is guaranteed to handle the toughest, dirtiest water around."

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

Sincerely,



Ruth G. Douglas
Product Manager (32)
Antimicrobial Program Branch
Registration Division (7505C)

Enclosures

Recovery Engineering, Inc.

Hiker Antimicrobial Purification Cartridge Package Copy - Primary Exterior Label - Product
June 27, 1995

Final proposed packaging copy of June 27, 1995

Top

Sub Hiker™ Purification Cartridge

*For use only with the PUR Hiker Microfilter
a microbiological water purifier.*

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with COMMENTS
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Front Panel

Top PUR® Hiker™

Sub Purification Cartridge

Sub Replacement cartridge upgrades the Pur Hiker Microfilter to a water purifier

Warning Copy Keep Out of Reach of Children

CAUTION

ACTIVE INGREDIENT: Iodine* 40%
INERT INGREDIENTS: 60%

*bound to quaternary ammonium polystyrene anion exchange resin.

Net Contents: 1 Water Purification Cartridge

E.P.A Reg. No. 64005-~~4~~⁵ E.P.A. Est. No. 64005-MN-1

Side Panel

Copy Quick and easy to install, the Hiker Purification Cartridge uses Tritex® technology with tri-iodine resin and microfiltration to eliminate Giardia and kill bacteria and viruses. The cartridge provides up to 200 gallons of microbiologically pure water, depending on water quality. It is the only purifier guaranteed not to clog for one year.

Copy Manufactured by PUR®, a division of Recovery Engineering, Inc., 2229

Edgewood Avenue South, Minneapolis, MN 55426
Made in USA 1-800-787-4630

Side Panel

Copy The Hiker Purification Cartridge uses advanced Tritex™ technology to eliminate Giardia and kill bacteria and viruses. To obtain our EPA registration as a microbiological water purifier, we were required to verify our claims with extensive product testing. Our products have also been field tested by the U.S. Military. The PUR Hiker is registered as a Microbiological Water Purifier with the EPA.

Warning Copy To prevent recontamination, a small residual amount of iodine remains in the purified water. Persons with thyroid problems and pregnant women should consult their physician prior to use. Refer to enclosed brochure for directions for use. Not for treating brackish, muddy or salt water. This purifier will render relatively clear water microbiologically safe for human consumption. For use in situations where the water source is suspect of containing cysts, viruses or bacteria.

Back Panel

Copy ADDING THE OPTIONAL PUR STOPTOP™ CARBON CARTRIDGE TO THE HIKER MICROBIOLOGICAL WATER PURIFIER MAKES EVEN SWAMP WATER TASTE BETTER.

Bottom Panel

UPC Code 7 23987 90016 2

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® PUR is a registered trademark of Recovery Engineering, Inc.

Sub Part # 26-056 Series A
Hiker Purification Cartridge

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Recovery Engineering, Inc.
Other Labeling Material (Brochure)
Hiker Antimicrobial Purification Cartridge
June 27, 1995

Final proposed packaging copy of June 27, 1995

Head **PUR_o Hiker™**
Antimicrobial Water Purification Cartridge

PUR, Inc.
A Division of Recovery Engineering

Sub **Directions for Use of Your PUR_o Hiker™ Purification Cartridge.**

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

This cartridge (grey) upgrades your Hiker microfilter to a water purifier.

When backpacking or camping, the Hiker purification cartridge produces microbiologically safe water by eliminating protozoa (including giardia), bacteria, and viruses. (See section entitled "More information about your PUR water purifier.") When you first use your new purification cartridge, and after it has been in storage, discard the first liter of water you make. At first you may notice a slight iodine taste in the purified water. This is normal-as you continue to use your purifier, the taste will diminish. If the iodine taste is objectionable, use the PUR StopTop Carbon Cartridge. It attaches to your Hiker Purifier and removes unpleasant odors and tastes that may be in the water

1 **The first time you use your new Hiker Purification Cartridge...**Attach the intake hose with the Acorn prefilter to the opening at the bottom of the Hiker marked "in." To flush the cartridge, place the Acorn prefilter in the water source, point the top of the cartridge toward the ground and pump a liter of water. Then attach the output hose with the Easy Fill Bottle Adaptor to the top of the cartridge.

2 **For normal operation...**Place the Acorn prefilter in the lake, stream or other water source. Use the adjustable hose float to keep the prefilter off the bottom (Figure 1). Place the Easy fill Bottle Adaptor at the end of the output hose in a water bottle. Be careful not to let the clip fall into the dirt or unpurified water

3. Grasp the handle and pull the plunger up until it is fully extended. Push the handle down to expel the microbiologically purified water into your container. Repeat this pumping action until you have microbiologically purified the quantity

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AUG 11 1995

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of water you need. Pump at a comfortable rate, approximately 20-30 strokes per minute.

HINT: Hold the Hiker with the intake hose pointing down toward water source while pumping. This will prevent accidentally constricting the hose.

HINT: Each time you use the Hiker, discard the first four cups of water before filling your water bottle. This will get rid of any stale taste.

4. When you are finished using the Hiker, remove the Acorn prefilter from the water. Pump the unit until air comes out of the output hose, shake any excess water from the hoses and wipe the Hiker with a clean dry cloth. Wrap the hoses vertically around the Hiker and secure by tucking the ends under the wrapped hoses (Figure 3). If you store the hiker in a carrying case, leave it wrapped to allow excess moisture to evaporate.

5. You may protect the output hose by placing the Easy fill Bottle Adaptor in a plastic bag and securing the bag with a rubber band

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AUG 11 1985
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64005-5

HOW TO HANDLE DIFFICULT WATER CONDITIONS

If you must purify water that is extremely cold (below 5°C/38°F) and extremely contaminated (for example, immediately downstream from a sewage outlet or livestock feedlot), pump the water through the purifier two times as follows

First pump the water into a temporary container at a rate of 30 strokes per minute. Remove the Acorn prefilter from the water source and pump the purifier until no more water comes out of the output hose. Let water stand for 5 minutes. Place the Acorn prefilter into the temporary container and pump the water into your water bottle or canteen at a rate of 30 strokes per minute. Let water stand for 5 minutes before consumption.

Unless both of these conditions (extreme cold and extreme contamination) exist, one pass through the purifier will make the water microbiologically safe to drink. Two pass treatment is not necessary under most field conditions

Sub When you Camp, Backpack, or Travel Abroad...

...you run a greater risk of illness ranging from inconvenience and discomfort of diarrhea to more serious illnesses caused by giardia, cysts, viruses, and bacteria.

The microorganisms that cause these diseases are often found in the food and water you consume. Lakes, streams and the local water supply often are contaminated

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To minimize the risk of contracting these illnesses, we suggest that you:

- Consult with your physician, state health department, or travelers' clinic 4-6 weeks before you depart. And while you are traveling.
- Make sure that prepared food is thoroughly cooked.
- Select noncooked foods (fruits, nuts, etc.) That have intact shells or skins, clean your hands before peeling the food.
- Wash your hands with soap and water thoroughly and often, especially before you eat.
- Make all the water you drink microbiologically safe with your PUR Hiker Water Purifier.

No one can guarantee that you won't become sick while traveling. However, with your PUR Hiker you can be sure that the water you drink is microbiologically pure, and eliminate a major source of illness.

Enjoy your travels -- and thank you for purchasing the PUR Hiker Water Purifier Purification Cartridge.

Sub

Storage and Disposal

Storage -- When you return from your trip, take a few minutes to properly prepare the purifier for storage.

The purifier can be cleaned and protected by pumping a very mild chlorine solution through it as described below. This will protect the microfilter and keep the purifying resin moist.

1. Fill a quart container with water and add 2 teaspoons of ordinary household bleach.
2. Put the Acorn prefilter into the solution. Remove the Easy fill Bottle Adaptor and place the output hose in the container so the solution recycles back into the container.
3. Pump the Hiker for approximately 25 strokes or until you see the solution flowing freely back into the container.
4. Remove the prefilter from the container. Pump the Hiker for 5 to 10 strokes to remove any excess water.
5. With a clean, dry cloth, dry the Hiker and the hoses.
6. Wrap the hoses vertically around the Hiker and secure by tucking the ends under the wrapped hoses. Disconnect the input hose from the Hiker body. If you

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store the Hiker in a carrying case, leave the top unzipped to allow excess moisture to evaporate.

Disposal -- securely wrap the used cartridge in newspaper and discard with the trash.

Each time you use the Hiker, after it has been in storage, discard the first liter of water you make. This will get rid of any water that has developed a stale taste.

Sub

More Information About your PUR Water Purifier

The PUR Hiker purification cartridge represents the latest in microbiological water purification technology.

Its patented Tritex system combines two distinct technologies:

- *A microfilter removes all microorganisms (such as giardia cysts) larger than one micron)*
- *Iodinated resin then kills any smaller bacteria and viruses. The result is microbiologically safe drinking water.*

The purifier does not desalinate water, and processing heavily sedimented water will significantly reduce the life of the purifier cartridge. It is not intended for use on raw sewage. Avoid these applications.

Please note: This purifier is only intended for short term or limited use when there is a reasonable expectation that the water has microbiological contamination. Persons with thyroid problems and pregnant women should consult their physician prior to use. Keep out of reach of children.

Tritex® has been tested and found effective at the Johns Hopkins University and the University of Arizona. For a copy of the test results, please write us at the address below.

A NOTE TO MICROBIOLOGICAL TESTING LABORATORIES:

To accurately test this purifier's performance, follow the USEPA Guide Standard and Protocol for Testing Microbiological Water Purifiers, Rev April, 1987. Special attention should be paid to properly centrifuging bacteria from the nutrient broth and to testing the viability of the viruses in the effluent water. Radioimmunoassay will not accurately identify the performance of this purifier in deactivating viruses.

Sub

More Information about Anticlog Technology

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in EPA Letter Dated:
AUG 11 1995
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64007-5

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Your PUR Hiker uses AntiClog Technology to reduce clogging and maintenance. In fact, each AntiClog cartridge is guaranteed to handle the toughest, dirtiest water around. If your Hiker clogs within one year of purchase, we'll replace the cartridge for free!

Sub Tips for Improving the Performance of Your Hiker and Saving You Money

1. Purify the cleanest water available. If you must purify dirty water, draw the water in advance and let it stand overnight or as long as possible before purifying. This will let the dirt settle out and extend the life of the cartridge.
2. Freezing will not damage the Hiker Purifier if the excess water has been pumped out. However the purifier must be completely thawed and free of ice to operate properly.
3. You may notice a small amount of water in your new purifier. This is a mild disinfecting solution used to test and protect your purifier until you use it.

Legal LIMITED WARRANTY

Your Hiker Water Purifier is warranted for one (1) year from the date of purchase against all defects in materials and workmanship. Should your PUR Hiker prove defective within one year from date of purchase, return it to the PUR retailer from whom it was purchased for repair. If it is inconvenient for you to return it to the retailer from whom it was purchased, or if you do not receive satisfactory adjustment, ship the purifier prepaid, with your cash register receipt

PUR, a Division of
Recovery Engineering, Inc.
2229 Edgewood Avenue South
Minneapolis, MN 55426

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in EPA Letter Dated:
AUG 11 1995

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We will repair the purifier or send you a replacement without charge. Please package your PUR Hiker carefully to avoid damage in transit. This warranty gives you specific legal rights, and you may have other legal rights which vary from state to state

Sub Maintaining the PUR Hiker

Your PUR Hiker uses AntiClog Microfiltration Technology to produce a large volume of water without clogging

Occasionally the foam inside the acorn prefilter becomes clogged with sediment. To clean this foam, pull the intake hose off the Acorn prefilter and remove the

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foam sponge. If the foam difficult to grasp, use a small stick or the tine of a fork to pull it to the surface. Squeeze the foam several times under water. Remove debris. Push the cleaned foam back into the Acorn prefilter until it is approximately flush with the top of the prefilter. Slip the hose over the barb on the prefilter until it fits snug.

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EPA Letter Dated:
AUG 11 1998
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Sub

Temporary Cartridge Restoration

After repeated use, the cartridge will become clogged with sediment. When it becomes difficult to pump, you know it's time to change the cartridge. If you are in the field and do not have a replacement cartridge, you may temporarily restore some of the flow by cleaning the cartridge.

1. To begin the cleaning process, remove the Acorn prefilter from the lake, stream or other water source. Pull the outside hose off the top of the purifier. Protect this hose from dirt and contamination.

Grasp the top of the cartridge firmly with your fingertips and twist counter clockwise to unscrew the cartridge from the Hiker body. Pull the loose cartridge out.

2. Hold the cartridge at the top and swish the cartridge in any relatively clean water to remove accumulated sediment. This rinsing water does not have to be purified.

CAUTION Do not attempt to remove the protective screen and brush the microfilter surface. This may damage the microfilter and could result in unfiltered water

3. Pour approximately 1 cup of water into the Hiker body. Swirl the water and rinse the inside of the body to remove any sand that has accumulated. If you are purifying dirty water, it is normal for small amounts of sand to accumulate in the bottom of the Hiker body

4. Insert the cleaned cartridge into the Hiker and screw it into the body. Wash your hands to remove any microorganisms you may have come in contact with while cleaning the cartridge.

5. Reattach the output hose to the top of the installed cartridge. Discard the first liter of water you make

6. If the Hiker remains difficult to pump, install a new cartridge when you get home.

Sub

Directions for Replacing your Tritex™ Cartridge

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It is a violation of federal law to use this product in a manner inconsistent with its labeling. By following the instructions listed below, you can quickly replace your PUR_® Hiker Purification cartridge.

The major working part of your PUR_® Hiker is the Tritek™ cartridge, which contains a microfilter and the tri-iodide resin matrix.

Replace this cartridge when the Hiker is difficult to pump and the flow of water diminishes. Replacement cartridges are available from the dealer where you purchased your PUR Hiker, or can be ordered directly from PUR. Call 1-800-845-PURE (7873) for the name of the nearest retailer or to answer any questions you may have.

By following these instructions you can quickly replace your PUR Hiker Tritek Purification cartridge.

1 Pull the output hose off the top of the Hiker. To remove the old cartridge, grasp the top of the cartridge firmly with your fingertips and twist counterclockwise to unscrew the cartridge from the Hiker body. Pull the loose cartridge out.

DISPOSAL: Securely wrap the used cartridge in newspaper and discard with trash. If you are in the back country, pack the used cartridge out with you.

2. Pour approximately 1 cup of water into the Hiker body. Swirl the water and rinse the inside of the body to remove any sand that has accumulated. If you are purifying dirty water, it is normal for small amounts of sand to accumulate in the bottom of the body.

3 Remove the new cartridge from the plastic bag. Insert the new cartridge into the Hiker and screw it into the body. Wash your hands to remove any microorganisms you may have come in contact with while changing the cartridge.

4 To flush the cartridge, place the Acorn prefilter in the water source; point the top of the cartridge toward the ground and pump a liter of water. Then attach the output hose to the top of the cartridge.

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AUG 11 1995

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64005-9