

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
PREVENTION,  
PESTICIDES  
AND TOXIC  
SUBSTANCES

3/24/2008

DP BARCODE: D349256  
MRID: 47328102  
SUBJECT: HaloPure Water Purifier Insert  
REG. NO. OR FILE SYMBOL: 72083-U  
DOCUMENT TYPE: Product Chemistry Review  
Manufacturing-use  OR End-use Product   
INGREDIENTS (PC Codes) (008701)  
CAS Number: (936133-74-3)  
TEST LAB: None  
SUBMITTER: HaloSource, Inc  
GUIDELINE: 830 New Product Guidelines  
COMMODITIES: Formulation  
REVIEWER: Krishna K Deb  
ORGANIZATION: AD  
APPROVER: Karen P. Hicks  
APPROVED DATE: 3/25/08  
COMMENT:



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
PREVENTION,  
PESTICIDES  
AND TOXIC  
SUBSTANCES

03/24/2008

**MEMORANDUM**

**Subject:** Chemistry Review for EPA Reg. No. 72083-U

**From:** Krishna K Deb, Chemist  
Product Science Branch, CT Team  
Antimicrobial Division (7510P)

**Thru:** Karen P. Hicks, CT Team Leader  
Product Science Branch  
Antimicrobial Division (7510P)

**Thru:** Michele E. Wingfield, Chief  
Product Science Branch  
Antimicrobial Division (7510P)

**To:** Emily Mitchell / Thomas Luminello  
Regulatory Management Branch (Rm. 32)  
Antimicrobial Division (7510P)

**Applicant:** HaloSource, Inc

**Due date:** 05/02/2008

WAD 3/24/08

**Formulations from Label**

Active Ingredient(s)

Bromine-----	16%
Other Ingredients-----	84%
Total-----	100%

## **BACKGROUND:**

The registrant has submitted a CSF for HaloPure BR Water Purifier Insert for EPA Registration. The HaloPure BR Insert purifies water to EPA drinking water standards. The HaloPure BR is a contact microbiocide which kills bacteria and viruses while purifying water to EPA standards. The active ingredient in this product is bromine which is registered by EPA for use as a drinking water disinfectant. The reports and studies included in MIRID # 47328102, submitted in this review are intended to fulfill the EPA requirements for a manufacturing use registration for the HaloPure BR insert that utilizes 80 grams of HaloPure BR as the disinfecting media in the water purifying system.

## **FINDINGS:**

1. The active ingredient in the formulation of HaloPure BR is bromine which has been approved by EPA for use in pesticides.
2. The HaloPure BR water purifier insert utilizes 80 grams of HaloPure BR as the disinfecting media. This is acceptable.
3. The bromine content in HaloPure BR is in agreement with the proposed label and is , therefore , acceptable.
4. MRID #47328102: The report contains data responding to the requirements of OPPTS Test Guideline Series, Group B- Physical /Chemical Properties of the Product. The data shows that the HaloPure BR Insert removes organics contaminants, cysts and sediments from the drinking water as per EPA requirements. The data are acceptable.

## **5. CONCLUSION:**

The Confidential Statement of Formula for the HaloPure BR product (CAS # 936133-74-3), dated 11/29/2007, is acceptable for EPA Registration.

HALOSOURC  
**HaloPure™ Water Purifier Insert**

The HaloPure Water Purifier is a drinking water purification system that meets US EPA drinking water microbial standards for bacteria, viruses, and cysts.

This system is not designed to treat salt water or wastewaters.

The HaloPure Insert Cartridge kills 99.99% of viruses and 99.9999% of bacteria. Ceramic pre-filters remove 99.99% of cysts.

**Active Ingredient:**

Bromine*	18%
Other Ingredients	86%
Total	100%

\*Available as Br+

EPA Reg No. 72083-

EPA Est. No. 072083-WA-1

**KEEP OUT OF REACH OF CHILDREN**

HaloSource, Inc.  
1631 220th St. SE, Suite 100,  
Bothell, WA 98021  
Phone: 425-881-6464 • Fax: 425-556-4120  
www.halosource.com © 2007 HaloSource

## **DIRECTIONS FOR USE**

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

### **The HaloPure System**

The HaloPure Water Purifier Insert is a gravity feed system that purifies water to USEPA drinking water microbial standards. This system can be used to disinfect surface water, well and ground water, or tap water. This system uses HaloPure BR, a contact microbicide, to kill bacteria and viruses to EPA standards. The ceramic prefilters remove organics contaminants, cysts and sediment.

**DO NOT** remove or tamper with the insert cartridge containing the active HaloPure BR. Follow the supplied instructions for the installation and maintenance of the system. Tampering with the system can reduce performance.

### **Maintaining the System**

Maintain the prefilter as described in the supplied instructions. The useful life of the system is 300 Liters, and using the system beyond this amount of water treatment will result in diminished performance.

For complete instruction see the enclosed HaloPure Purifier System instruction booklet inside the package.

## **KEEP OUT OF REACH OF CHILDREN**

### **PRECAUTIONARY STATEMENTS**

If insert cartridge is broken, do not get HaloPure BR media in eyes. HaloPure BR is corrosive and causes irreversible eye damage. Do not get in eyes and avoid contact with skin and clothing. Wear protective eyewear, gloves, and protective clothing when handling loose HaloPure BR media. 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.

### **FIRST AID**

IF HaloPure BR MEDIA IS SWALLOWED	<ul style="list-style-type: none"><li>•Call a poison control center or doctor immediately for treatment advice.</li><li>•Have person sip a glass of water if able to swallow.</li><li>•Do not induce vomiting unless told to by a poison control center or doctor.</li><li>•Do not give anything to an unconscious person.</li></ul>
IF HaloPure BR MEDIA IS ON SKIN OR CLOTHING	<ul style="list-style-type: none"><li>• Take off contaminated clothing</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes</li><li>• Call a poison control center or doctor immediately for treatment advice</li></ul>
IF HaloPure BR MEDIA IS IN EYES	<ul style="list-style-type: none"><li>• Hold eye open and rinse gently with water for 15-20 minutes</li><li>• Remove contact lenses, if present, after the first five minutes, then continue rinsing eye</li><li>• Call poison control center or doctor for treatment advice</li></ul>
HOTLINE NUMBER	Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information

### **ENVIRONMENTAL HAZARDS**

Bromine is toxic to fish and wildlife. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans or other water unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. For further guidance, contact your State Water Board or Regional Office of the EPA.

### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous.

**DISPOSAL:** Securely wrap spent media or filter and dispose onsite, in a sanitary landfill, or by other approved state and local procedures.

**DO NOT** incinerate bead media.

If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.