

67869-32

4/21/2011

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



## U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Antimicrobials Division (7510P)  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

EPA Reg.

Number:

67869-32

Date of

Issuance:

APR 21 2011

Term of Issuance:

**Unconditional**

## NOTICE OF PESTICIDE:

  x   Registration  
      Reregistration

Name of Pesticide Product:

N-1386 PEG-EU 20

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Verichem, Inc.  
3499 Grand Avenue  
Pittsburgh, PA 15225

Note: Changes in labeling 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 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.

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 (OPP Decision No. 439586) is unconditionally registered in accordance with FIFRA sec 3(c)(7)(a) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
  - a. Revise the "EPA Registration Number to read, "EPA Reg. No. 67869-32".

Signature of Approving Official:

*Jacqueline McFarlane*  
Jacqueline McFarlane  
Product Manager Team-34  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Date:

April 21, 2011

EPA Form 8570-6

## CONCURRENCES

SYMBOL							
SURNAME							
DATE							


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EPA Reg. No. 1529-61

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. Submit one (1) copy of your final printed labeling prior to release of this product for shipment. If you have any questions concerning this letter, please contact Juan F. Negrón at (703) 308-8116.

Sincerely,

  
Jacqueline Campbell-McFarlane  
Product Manager Team-34  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Enclosure: (Stamped Label)

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

# N-1386 PEG-EU 20

## INDUSTRIAL MICROBIOCIDAL FOR USE IN INDUSTRIAL PROCESS AND WATER SYSTEMS AND MATERIAL PRESERVATION

Active Ingredient:	
Bis (trichloromethyl) Sulfone	20%
Inert Ingredients:	80%
Total	100%

KEEP OUT OF REACH OF CHILDREN  
**DANGER**  
CORROSIVE – CAUSES IRREVERSIBLE EYE DAMAGE

EPA Registration No. 67869-  
EPA Est. No. 67869-PA-01

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMAN AND DOMESTIC ANIMALS

**DANGER!** Corrosive - Causes irreversible eye damage. May be fatal if swallowed. Do not get in eyes, on skin, or on clothing. Use with adequate ventilation. Do not apply this product in a way that will contact workers or other persons. Applicators and other handlers must wear: Chemical resistant gloves (i.e. Barrier Laminate and  $\geq 14$  mils Butyl Rubber, Nitrile Rubber, Neoprene Rubber, PVC or Viton), goggles and face shield and coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling product. Wash the outside of gloves before removing. As soon as possible wash thoroughly.

#### FIRST AID:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**If in Eyes:** Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 15 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

**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 further 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 if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**HOTLINE** For handling or exposure information call VERICHEM at 412-331-7299. In case of transportation emergency call CHEMTREC USA: 1-800-424-9300

### ENVIRONMENTAL HAZARDS

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

### DIRECTION FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product must be loaded and applied only using a meter-pump system or a closed loading/application system for the following uses: Oil recovery drilling muds/packer fluids, commercial/industrial water cooling systems, evaporative-condenser water systems, and heat exchanger systems. Open pouring is prohibited.

### INDUSTRIAL PROCESS AND WATER SYSTEMS

**AIR WASHER SYSTEMS:** For use only in industrial air washing systems that maintain effective mist eliminating components. For the control of bacteria, fungi, and algae add 0.1 to 2.8 lb. (13 to 331 ppm) N-1386 PEG-EU 20 to 1000 gallons of water in the air washer sump, or chill water sump to ensure uniform mixing. A repeat treatment may be needed depending on the severity of contamination.

**COMMERCIAL / INDUSTRIAL PROCESS AND WATER SYSTEMS:** N-1386 PEG-EU 20 is a microbicide for the control of bacteria, algae and fungi. Add 0.1 to 0.7 lb. (13 to 82 ppm) of N-1386 PEG-EU 20 per 1000 gallons of water to the lower basin or, some other similar point to ensure uniform mixing, weekly or as needed for maintenance. For noticeably fouled systems use an initial dose of 0.5 to 2.8 lb. per 1000 gallons of water. Repeat if necessary to achieve control.

**OIL FIELD INJECTION WATERS:** Add 8.6 to 21.7 lb. (25 to 62 ppm) of N-1386 PEG-EU 20 per 1000 barrels of water weekly or as needed to maintain control of slime-forming and sulfate reducing bacteria in oil and gas field water systems including enhanced recovery injection fluids and drilling fluids. An initial dose of 21.4 to 43.1 lb. (61 to 121 ppm) per 1000 barrels of water may be used until control is achieved.

**PAPER MILLS:** Add 0.17 to .56 lb. of N-1386 PEG-EU 20 per ton (dry basis) of pulp or paper produced as slug dose for the control of bacterial and fungal slime in the production of paper. N-1386 PEG-EU 20 must be added to a point such as the Beater or Hydropulper to ensure uniform mixing.

### MATERIAL PRESERVATION:

**ADHESIVE AND TACKIFIER PRESERVATION:** N-1386 PEG-EU 20 is an in-container preservative for the control of bacteria and fungi in water-soluble and water dispersed adhesives such as animal glues, vegetable glues, natural rubber latices, polyvinyl acetate, styrene butadiene, and acrylic latices. N-1386 PEG-EU 20 is a preservative for tackifiers derived from resin and hydrocarbon resins. Add 0.16 – 0.62 lbs. (73 – 281 g) of N-1386 PEG-EU 20 to each 1,000 lbs (454 kg) of fluid to provide 159 to 628 ppm of product, which is 31.25 to 150 ppm active.

**CONSTRUCTION PRODUCTS AND HOUSEHOLD PRODUCTS:** N-1386 PEG-EU 20 is an in-container preservative for the control of bacteria and fungi in water soluble and water dispersed construction products, such as caulking materials, mastics, ceramic glazes, concrete, concrete admixtures, plasters etc. Add 0.19 to 0.62 lb. (85 – 281 g) of N-1386 PEG-EU 20 to each 1000 lb. (454 kg) of fluid to provide 35 to 150 ppm active sulfone. N-1386 PEG-EU 20 can be fed either directly to the finished construction or household product or to one of the raw materials used in the formulation of the construction and/or household product.

**DISPERSED PIGMENT PRESERVATIVE:** N-1386 PEG-EU 20 is for the control of bacteria and fungi in the manufacture and storage of dispersed pigment such as kaolin clay, montmorillonite clay, titanium dioxide,

calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate and kieselguhr used in paint and paper productions. Add 0.22 to 0.84 lb. (94 to 382 g) of N-1386 PEG-EU 20 to each 1000 lb. (454 kg) of fluid to provide 35 to 125 ppm active.

**PAINTS, COATINGS AND STAINS:** N-1386 PEG-EU 20 is generally incorporated directly into pigments and fillers such as Alkyd Resin-Based Systems, Casein-Systems, Latex-Based Systems, Oil-Containing Systems, Fire-retardant insulation coating and air duct coatings, Animal hides and leather, Synthetic Resin Dispersions, but it can also be first dissolved in a suitable solvent or added directly to the pre-heated binder systems. For best results, add 0.06 to 0.20 lbs of product to 1000 lbs of finished product. The preservative must be homogeneously incorporated into the stain or paint. Discoloration may occur, and must be evaluated.

**PAPER COATINGS PRESERVATION:** N-1386 PEG-EU 20 is used as an in-container preservative for the control of bacteria and fungi in water based coatings such as paper coatings. Add 0.16 – 0.62 lbs (73-281 g) of N-1386 PEG-EU 20 to each 1,000 lbs. (454 kg) of fluid to provide 159 to 628 ppm product (6.25 to 25 ppm active).

**PHOTO PROCESSING SYSTEM PRESERVATION:** N-1386 PEG-EU 20 is used to prevent slime formation or accumulation to filters and ion exchange resin tanks of commercial photoprocessing systems. For the maintenance of a non-fouled system, use N-1386 PEG-EU 20 at 12 – 24 fluid ounces (0.79 lbs. – 1.6 lbs.) per 1,000 gallons water in the system once weekly, or as needed, to maintain control of slime. For a noticeably fouled system, use an initial dose of 24 – 58 fluid ounces (1.57 lbs. – 3.79 lbs.) per 1,000 gallons of fluid to be followed by subsequent maintenance dosage. A high dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design etc. The preservative must be dispersed into the final rinse or used water collection tank.

**POLYMER LATEX PRESERVATION:** N-1386 PEG-EU 20 is for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer latices including: styrene/butadiene, carboxylated styrene/butadiene, ethylene/vinyl acetate, and biopolymers intended for industrial use, such as xanthum gum, gum arabic, guar gum, protein derived polymers, starches and casein derived polymers. Add 0.16 to 1.24 lbs (73 g – 562 kg) of N-1386 PEG-EU 20 to each 1,000 lbs. (454 kg) of emulsion to provide 159 to 1256 ppm of product. To insure uniform mixing add N-1386 PEG-EU 20 to latex or solutions slowly with agitation. The actual concentration required will depend upon such factors as the specific substance to be treated, frequency of repeated microbial contamination expected and level of protection required.

**FUEL PRESERVATION:** N-1386 PEG-EU 20 is used for the control of bacteria and fungi in the following liquid hydrocarbon fuels and oils: crude oils, aviation fuels, kerosene, heating oils, diesel fuels, residual fuel oils, coal slumes, liquefied petroleum gases and petrochemical feedstock. N-1386 PEG-EU 20 must be directly dispersed into a fuel tank, storage or a flowing stream of fuel in a manner to ensure uniform distribution of the preservation in the fuel system. Slug dose or continuous feed methods are recommended. When the system is noticeable fouled, add 0.37-0.74 gallons N-1386 PEG-EU 20 per 10,000 gallons of fluid in the system. This will provide 37 to 74 ppm of N-1386 PEG-EU 20 and 7.5- 15 ppm active ingredient. Repeat until control is achieved. A shock dose of up to 1.5 gallons of N-1386 PEG-EU 20 per 10,000 gallons of fluid is recommended in the case of extreme contamination. Grossly contaminated systems must be physically cleaned to remove debris. When the system is noticeably fouled add 0.19 to 0.57 gallons of N-1386 PEG-EU 20 per 10,000 gallons of fluid to maintain the system. This will provide 19 to 57 ppm of N-1386 PEG-EU 20 and 3.75 – 11.25 ppm active ingredient. Repeat every 4-6 weeks or when microbial contamination is detected. FOR USE IN AVIATION FUEL, THE FEDERAL AVIATION ADMINISTRATION MUST BE CONSULTED AS TO THE ACCEPTABILITY OF THE ADDITIVE FOR USE IN SPECIFIC ENGINES AND/OR AIRCRAFT.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **PESTICIDE STORAGE:** Store this product in a cool, dry area away from direct sunlight and heat.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA regional Office for guidance.

### CONTAINER HANDLING AND DISPOSAL

**NONREFILLABLE CONTAINER:** Do not refill or reuse container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

**PAILS (equal to or less than 5 gallons):** Empty remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 30 seconds. Pour rinsate into application equipment or a mix tank or rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**DRUMS and TOTES/BINS (greater than 5 gallons):** Empty remaining contents into application equipment or mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it 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. Turn container over onto its other end and tip it back and forth several times. Empty the rinsate into the application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

**ALL NONREFILLABLE CONTAINERS:** Offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

For further information on the use of N-1386 PEG-EU 20, contact Verichem: 3499 Grand Avenue Pittsburgh, PA 15225 Phone: 412-331-7299 Fax: 412-331-7884

**NOTICE TO BUYER:** Buyer assumes all risks of use and handling which are at variance in any way with the directions hereon. There are no quantities, which extend beyond the description on this label. The information on this label is offered solely for your information, consideration, and investigation and represents our current data and best opinion as to the proper use of this product under normal conditions. Any use of the product which is not in conformance with this label or which involves using the product in combination with any other product or any other process is the responsibility of the user. This information is provided without warranties, either express or implied, and we assume no responsibility for the accuracy or completeness of the data contained herein.

NET WT.: \_\_\_\_\_ LB/KG.

LOT NO.: \_\_\_\_\_

Made in U.S.A.

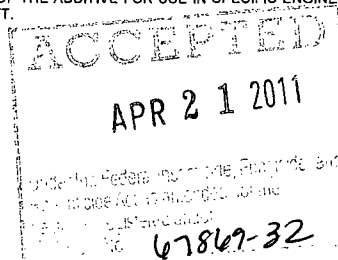
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