

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Keep out of reach of children. Causes eye irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with an NPDES permit. Do not apply in marine and/or estuarine oil fields. For guidance, contact your Regional office of the Environmental Protection Agency.

PHYSICAL & CHEMICAL PROPERTIES

Metronidazole, (2-methyl-5-nitroimidazole-1-ethanol) C6H9N3O3 with a mol wt. of 171.16, is a white to pale yellow powder. The crystals are odorless, and are stable in air, but darken on exposure to light. Metronidazole crystals solubility at 20°C (g/100ml): 1.0 in water; 0.5 in ethanol, 2.05 in ether and chloroform. Sparingly soluble in dimethylformamide. The crystals have a melting point of 158-60°C. The aqueous solution has a pH of 5.8. The density of the fluffed material is 33.5#/cu ft and the packed material is 44.4#/cu ft.

METRONIDAZOLE

FOR FORMULATION OF BACTERICIDES

ACTIVE INGREDIENT METRONIDAZOLE (2-METHYL-5-NITROIMIDAZOLE-1-ETHANOL).....97% INERT INGREDIENTS ..... 3%

KEEP OUT OF REACH OF CHILDREN

WARNING

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. IF IN EYES: Flush with plenty of water. Get medical attention.

(SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS)

E.P.A. REGISTRATION NO. 8818-3

SEARLE CHEMICALS INC. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THIS PRODUCT OR USE OF THIS PRODUCT, OTHER THAN AS INDICATED ON THE LABEL.

NET CONTENTS \_\_\_\_\_ POUNDS(\_\_\_\_\_ KILOGRAMS)

SEARLE

Searle Chemicals Inc. Secretary of G.D. Searle & Co. P.O. Box 8526, Chicago, Illinois 60680

ACCEPTED with COMMENTS in EPA Letter Dated

NOV 24 1982

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

8818-3

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Metronidazole, as contained in this package, is intended for use by formulators as an active ingredient in the formulation of microbiocides used to control anaerobic bacteria such as the Bacterium Desulfovibrio desulfuricans, in the secondary and tertiary oil recovery process of flooding oil wells with water. Metronidazole is effective in inhibiting the growth of the above bacterium in concentrations of one part per million.

A concentration of 50 to 100 ppm is recommended for the initial dosage. The maintenance concentration is determined by the level where H2S in the flooding water is just kept in check, a range of 5 to 10ppm is suggested.

Formulators who use this product are responsible for providing data to support their registration

Efficacy data on metronidazole is available to Formulators on request to Searle Chemicals, Inc., Box 8526, Chicago, Ill. 60680.

STORAGE AND DISPOSAL

STORE CONTENTS IN A COOL DRY PLACE. DISPOSE OF PACKAGE AND UNUSED PORTION IN AN APPROVED LANDFILL OR INCINERATOR.

to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL

Paper and Plastic Bags:

Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by state and local authorities.


The heading "STORAGE AND DISPOSAL" must be of the same type size as the child hazard warning statement.

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).

A stamped copy of the label is enclosed for your records.

Sincerely yours,

  
John H. Lee  
Product Manager (31)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosure

TS-767C:LEE:DCR-03523:WANG-0933C:xxx:Raven:479-2013:11/1/82