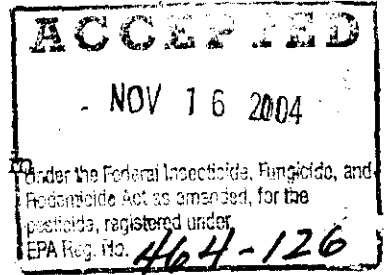


464-126

11/16/2004

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DOWICIDE* 1E Antimicrobial
EPA Stamped Accepted Label 8-4-2004; Draft Label Amendment 8-18-2004



DOWICIDE* 1E Antimicrobial

For the control of fungi and bacteria including pseudomonads in industrial applications.

Active Ingredients:

Ortho-phenylphenol99.5%

Inert Ingredients:0.5%

Total100.0%

E.P.A. Registration No. 464-126

E.P.A. 464-MI-1(4Q), 39967-DEU-001(CH)

Superscript used corresponds to alpha/numeric in lot number.

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Danger

**Corrosive • Causes Irreversible Eye Damage • Causes Skin Burns • Harmful
If Swallowed • Do Not Get in Eyes on Skin, or on Clothing • Wear Goggles or Face Shield
When Handling • Wear Protective Clothing and Rubber Gloves • Wash Thoroughly With
Soap and Water After Handling • Remove Contaminated Clothing and Wash Before Reuse**

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	<ul style="list-style-type: none"> • 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 eye. • Call poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice • Have person sip a glass of water if able to do so. Do not induce vomiting unless told to do so by the poison control center or doctor

HOT LINE NUMBER

IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect 989-636-4400.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

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ENVIRONMENTAL HAZARDS

This pesticide 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 Regional Office of the EPA.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Storage - Keep package tightly closed when not in use. Do not store with Food, Feed, Drugs or Clothing.

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 label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal - Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not reuse empty container.

DIRECTIONS FOR USE

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

Only for (1) industrial uses as specified on this label (2) uses for which USEPA has accepted the required data and/or citation of data that the formulator has submitted in support of registration; or (3) uses for experimental purposes that are in compliance with USEPA requirements.

DOWICIDE 1E Antimicrobial, when used according to good manufacturing practices, meets the requirements of the FDA for use in defoaming agents [21 CFR 176.210]; adhesives [21 CFR 175.105], and rubber articles (21 CFR 177.2600

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INDUSTRIAL APPLICATIONS

DOWICIDE 1E may be used during the production of products for household, institutional and industrial uses.

Application	Purpose	Suggested Concentration of DOWICIDE 1E	How to Apply
Glues and Adhesives NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect from deterioration during manufacture, storage and service life.	Glues; Bone/plant 0.1 - 0.15 % Leather, Skin & Fish 0.15 - 0.4 % Gelatin based 0.15 - 0.3 % Starch based liquid 0.1 - 0.25 % Starch based solid 0.15 - 1.0 % Albumin containing 0.2 - 0.4 % Adhesives; cellulose/dextrin 0.1 - 0.3 % Polymer dispersion based 0.1 - 0.3 % Casein Containing 0.2 - 0.4 %	Add to organic portion of the ingredients, mix then add to the formulation
Gaskets NOT REGISTERED FOR THIS USE IN CALIFORNIA	To preserve felt gaskets	1% by wt of organic solvent	Saturate felt with solution of DOWICIDE 1E in a volatile solvent such as alcohol or Stoddard solvent.
Concrete Admixes	To control the growth of fungi and bacteria in concrete admixtures.	0.01 - 0.6 % by weight of admixture	Add at a suitable point during the manufacture of the admixture. Conversion to a water dilutable alkaline concentrate using sodium hydroxide is recommended.
Slurries NOT REGISTERED FOR THIS USE IN CALIFORNIA	To control the growth of fungi and bacteria in the following aqueous based slurries and dispersed pigments: clay, calcium carbonate, kaolin and other filler suspensions.	0.05 - 0.9 % by weight of slurry	Add at a suitable point during the manufacture, container loading/filling or shipment of the slurry. If needed, add caustic to make a water dilutable alkaline concentrate.
Ceramics	To prevent decomposition of ceramic glazes and clay slips.	0.05 - 0.1% by wt of glaze or slip formulation	Add to ingredients of formulation as they are charged into ball mill.
Metal Working Fluids	To prevent decomposition of fluids prepared from water Emulsifiable oil concentrates.	0.1 - 1.5 % by wt of diluted concentrate	Add to water - emulsifiable oil concentrate during formulating process
Leather NOT REGISTERED FOR THIS USE IN CALIFORNIA	To impart temporary mold resistance to shoe liners, hat bands, gloves etc	1.5 % by wt of leather	Add from petroleum and vegetable oil formulation
Polishes	For shelf life preservation of automobile polishes and polishing compounds	0.25% by wt of polish; 0.25 - 0.50 % by wt of polishing compound	Add to polish or compound during formulating process
Photographic Solutions	To control microbial growth in photographic solutions and emulsions.	0.05 - 0.5 % by wt of the photographic solution or emulsion.	Mix with other photographic chemicals during manufacture, processing or use.
Wood and wood products NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect from mold, mildew, and sapstain	Construction woods: 1-4% by wt of solution. Pallets, fruit and vegetable pallets: 1-3% by wt of solution.	Apply as an aqueous dip, or spray. Conversion to a water dilutable alkaline concentrate, using sodium hydroxide or other base, is recommended.

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Application	Purpose	Suggested Concentration of DOWICIDE 1E	How to Apply
Stains and Paints NOT REGISTERED FOR THIS USE IN CALIFORNIA	To control the growth of fungi and bacteria during manufacture or storage in pigments and fillers used in the following systems: latex-based, casein, oil-containing, alkyd resin-based, or synthetic resin.	0.1-0.5% by weight of materials treated.	Add directly to pigment or filler or dissolve in suitable solvent. Thoroughly mix. Evaluate for potential discoloration
Textiles NOT REGISTERED FOR THIS USE IN CALIFORNIA	To preserve processing materials and finished yarns and cloth	0.5-5.0% by weight of materials treated.	Add as solution by dissolving in suitable solvent.
Textile auxiliaries (sizing agents, finishing agents, spinning preparations, wetting agents) NOT REGISTERED FOR THIS USE IN CALIFORNIA	To preserve processing materials	0.05-0.25% by wt of materials treated.	Add as solution by dissolving in suitable solvent.
Dyes, Tints, Pigments and Filler Suspensions NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect from deterioration during manufacture, storage and service life.	0.05-0.2% by wt of materials treated.	Add at a suitable point during the manufacture, using dispersing agents if needed.
Biopolymers NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect from deterioration during manufacture, storage and service life.	0.05-0.2% by wt of materials protected.	Add at a suitable point during the manufacture.
Fire Extinguishing Medium NOT REGISTERED FOR THIS USE IN CALIFORNIA	To preserve solutions.	0.1-0.3% by wt of solution.	Add at a suitable point during the manufacture.
Cleaning solutions NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect from deterioration during manufacture, storage and service life.	0.05-0.4% by wt of solution.	Add at a suitable point during the manufacture.
Wax emulsions & Polishes NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect from deterioration during manufacture, storage and service life.	0.05-0.5% by wt of emulsion.	Add at a suitable point during the manufacture.
Paper slurries and auxiliaries NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect from deterioration during manufacture, storage and service life.	Auxiliaries: 0.05-0.3% by wt Paper slurries: 0.07-0.1% by wt	Add as a solution by dissolving in a suitable solvent.
Polymers and plastics NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect the following systems from deterioration during manufacture, storage and service life: acrylic, PVC, polyvinylacetate (PVA), vinyl/acrylic-based, styrene butadiene, polyester-based, polyurethane-based, other polymer dispersions, rubber	0.1-0.5% by wt of material to be protected.	Add at a suitable point during the manufacture.

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Application	Purpose	Suggested Concentration of DOWICIDE 1E	How to Apply
Inks NOT REGISTERED FOR THIS USE IN CALIFORNIA	For shelf-life preservation.	0.018-0.36% by wt of material treated.	Add at a suitable point during the manufacture.
Other construction applications NOT REGISTERED FOR THIS USE IN CALIFORNIA	To protect the following from deterioration during manufacture, storage and service life: concrete and masonry additives, plasters, caulking materials.	0.05-0.50% by wt of material treated	Add at a suitable point during the manufacture

NOTICE

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

Notice: Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label (except uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration) when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

NET WT.: 25 kg / 55.12 lb

Dow Diamond
The Dow Chemical Company
Midland, Michigan
48674 USA
1-800-258-CHEM

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