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ROCCAL (R) II - 10%

TOR II

National Laboratories
Lehn & Fink Products Company
225 Summit Avenue
Montvale, NJ 07645

Telephone Number: (201)573-5700 (24 hrs)

Emergency Contact: CHEMIREC
Emergency Phone Number: (800)424-9300

SECTION #1 - IDENTIFICATION

Product: ROCCAL (R) II - 10%

CAS Number: Not Applicable
EPA Reg. No.: 675-30
Product Code: ED-222
Formula No.: U-0671-3

NFPA Hazard Rating - Health: 3 High
- Fire: 0 Negligible
- Reactivity: 0 Negligible

Special Hazards: Corrosive.

Product Description: Quaternary Disinfectant-Sanitizer

This product is a registered pesticide. Use of this product in a manner not consistent with the label instructions is a violation of federal law.

SECTION #2 - HAZARDOUS CHEMICAL COMPONENTS

Component: ~~ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE~~
CAS Number: 8001-54-5 Percent of Mixture: 10.0
No exposure limits established
by ACGIH or OSHA

Component: ETHANOL
CAS Number: 64-17-5 Percent of Mixture: 1.25
ACGIH TLV-TWA: 1000 ppm OSHA PEL-TWA: 1000 PPM

SECTION #3 - PHYSICAL DATA

Boiling Point: Not Applicable
Vapor Pressure: Not Applicable
Vapor Density (Air=1): Not Applicable
Specific Gravity: 0.9957
Solubility (H2O): Miscible
pH: 7.7

SECTION #3 - PHYSICAL DATA Continued...

Appearance

Clear, colorless liquid.

SECTION #4 - FIRE FIGHTING & EXPLOSION DATA

Flash Point: >200°F TOC

Lower Explosive Limit (%): Not Determined

Upper Explosive Limit (%): Not Determined

Fire and Explosion Hazards

None Known.

Extinguishing Media

Use water spray, foam, dry chemical or carbon dioxide, as suitable for the surrounding fire.

Special Fire Fighting Instructions

None Known.

SECTION #5 - EXPOSURE and EFFECTS - INHALATION

Routes of Exposure - Inhalation

None Known.

SECTION #5 - EXPOSURE and EFFECTS - SKIN

Routes of Exposure - Skin

Prolonged and/or repeated contact may cause skin irritation.

First Aid - Skin

Wash thoroughly with soap and water.

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SECTION #5 - EXPOSURE and EFFECTS - EYES

Routes of Exposure - Eyes

Corrosive to eyes. May cause permanent eye damage.

First Aid - Eyes

If overexposed, immediately flush eyes with low pressure water. Remove contact lenses to insure a thorough flush and continue to flush with water for at least 15 minutes. Get medical attention.

SECTION #5 - EXPOSURE and EFFECTS - INGESTION

Routes of Exposure - Ingestion

Harmful if swallowed. May cause irritation of membranes of the mouth, throat and gastrointestinal tract.

First Aid - Ingestion

Drink large quantities of water to dilute the ingested material. Call a physician immediately. Do not induce vomiting. Do not give liquids to an unconscious person.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

SECTION #5 - MISCELLANEOUS TOXICOLOGICAL INFORMATION

Carcinogenicity: NTP: No IARC: No OSHA: No

SECTION #6 - REACTIVITY & POLYMERIZATION

Stability: Stable

Conditions to Avoid

None.

Incompatible Materials

None.

SECTION #6 - REACTIVITY & POLYMERIZATION Continued...Hazardous Decomposition Products

None known.

Hazardous Polymerization: Will not occur

SECTION #7 - SPILL, LEAK, & DISPOSAL PROCEDURESSteps to be Taken in The Event of Spills, Leaks, or Release

Spills may be flushed to sewer with large quantities of water.

Waste Disposal Methods

Dispose of in accordance with local, state and federal regulations.

Container Disposal: Do not reuse empty container. Rinse thoroughly with water and detergent. Discard in trash.

This product is toxic to fish. Keep out of lakes, streams, or ponds. Do not contaminate water by cleaning of equipment, or disposal of wastes.

Other Environmental Information

None of the ingredients of this product are listed under the SARA Title III, Section 313 List of Toxic Chemicals.

SECTION #8 - SPECIAL PROTECTIVE MEASURESVentilation

None required.

Eye Protection

Wear safety glasses or goggles to protect the eyes when handling concentrate.

Skin Protection

Wear rubber gloves to prevent skin contact when handling concentrate.

Respiratory Protection

None required.

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SECTION #9 - SPECIAL PRECAUTIONS - STORAGE & HANDLING

Storage & Handling Conditions

Store in original container in areas inaccessible to small children. Keep securely closed.

For further instructions, see label.

A D D E N D U M

NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW ACT:

This EPA Registered Product is exempt from the labeling requirements of the above act.

N.J.A.C. 8:59-5.5 #1

GENERAL DESCRIPTION

Plates, Wails, Faucets, Buckets, Sinks, Showers and Toilet Seats in Public or Employee Restrooms.
Sponge or mop with 200 ppm ROCCAL II 10% (1 oz. per gallon).

DIRECTIONS FOR DEODORIZATION AND DISINFECTION

Flood rinse, sponge or spray a solution of 1 oz. per gallon ROCCAL II 10% on floors, walls, and other surfaces making sure solution gets into cracks, crevices and corners where food spillage or other sources of odor can occur.

For heavily soiled areas such as garbage and refuse cans, clean first, then use 1 oz. ROCCAL II 10% per gallon of water.

TO PREVENT MOLD AND MILDEW

Clean hard surfaces. Wet thoroughly by mop or spray with a solution of 1 oz. ROCCAL II 10% per gallon of water. Repeat application after 7 days or when new growth appears.

PUBLIC OR COMMERCIAL SWIMMING POOLS

For algae control of a clean pool, use one gallon of ROCCAL II 10% to each 50,000 gallons of pool water. After first application, add one quart of ROCCAL II 10% to each 50,000 gallons of water every 5 to 7 days depending on weather. During sunny and humid periods, more frequent additions may be required.

INDUSTRIAL NON-POTABLE WATER SUPPLIES

To control algae in industrial non-potable water supplies add 1 gallon ROCCAL II 10% to each 50,000 gallons of water. Follow up with 1 quart ROCCAL II 10% to each 50,000 gallons every 5 to 7 days. Make-up water from evaporation does not require additional ROCCAL II 10% treatment. Make-up water due to leaks or use or discharges must be treated by the addition of ROCCAL II 10% at the rate of 3 oz. for each 1000 gallons added.

BARBER AND BEAUTY SHOPS

To disinfect instruments, utensils and equipment, first clean thoroughly, then immerse or scrub with 1600 ppm ROCCAL II 10% prepared by mixing one full tablespoon of ROCCAL II 10% solution to each quart of water (2 oz. per gallon). All implements used on patrons should be immersed in 1600 ppm ROCCAL II 10% for at least 10 minutes. Rinse.

**ROCCAL II 10%
SANITIZING AGENT/GERMICIDE-ALGICIDE
DEODORIZER**

1 oz. per gallon use dilution (200 ppm) is germicidal against *S. aureus*, *P. aeruginosa*, *E. coli*, and *S. choleraesuis*

BACTERICIDAL KILLS MILDEW, PREVENTS MUSTY ODORS on Hard Surfaces. CONTROLS THE GROWTH OF ALGAE IN PUBLIC OR COMMERCIAL SWIMMING POOLS

ROCCAL II 10% meets the criteria of Appendix F of the Grade A Pasteurized Milk Ordinance 1965 Recommendations of the U.S. Public Health Service in waters up to 500 ppm of hardness calculated as CaCO₃, when tested by the AOAC Germicidal and Disinfectant Sanitizers - Official Method.

ACTIVE INGREDIENTS: Alky (C₁₂-60%, C₈-40%, C₄-10%) 10.00%
dimethyl benzyl ammonium chloride 1.25%
Ethyl Alcohol 88.75%

INERT INGREDIENTS: Water 88.75%
ROCCAL II - 10% contains no preservative compounds.
EPA REGISTRATION NO 675-30-AA

DANGER:

KEEP OUT OF THE REACH OF CHILDREN
See First Aid Statement and additional precautions on back panel

Net Contents: One Gallon

**NATIONAL LABORATORIES
LEHN & FINK INDUSTRIAL PRODUCTS DIVISION
of Sterling Drug Inc.**
MONTICELLO, N.Y. 07045 - Plainfield, Ohio 43082

AS 0881

EATING ESTABLISHMENTS (INCLUDING FOOD SERVICE IN HOSPITALS AND IN NURSING HOMES).

- Dishes, Glasses and Utensils**
1. SCRAPE AND PRE-RINSE UTENSILS before washing.
 2. WASH with a good detergent and hot water.
 3. RINSE with clean hot water.
 4. SANITIZE by immersing in a 200 ppm (1/4 oz. per gallon) ROCCAL II 10% solution for 2 minutes or for the contact time specified by the governing sanitary code.
 5. AIR DRY on clean drainboard or rack.

Food Preparation Surfaces
Clean with detergent and rinse. To sanitize, sponge or mop with a solution of 1/4 oz. ROCCAL II 10% per gallon of water (200 ppm).

Floors and Walls
Clean with detergent and rinse. To sanitize, sponge or mop with a solution of 1/2 oz. ROCCAL II 10% per gallon of water (400 ppm).

FOOD PROCESSING PLANTS, BAKERIES, CANNERIES, BEVERAGE PLANTS
ROCCAL II 10% IS Authorized for use in the following category under U.S.D.A. inspection and grading programs and in plants operating under the U.S. Department of Commerce Fishery Products Inspection Program.

U.S.D.A. Category—Sanitizers for all surfaces not always requiring a rinse.
At a dilution of 1/4 oz. per gallon (200 ppm).

ROCCAL II 10% is listed as a sanitizing treatment for food processing, preparation and service equipment under Federal Regulations Title 21, par. 178.1010, without a final rinse when used at a concentration of 1/4 oz. per gallon of water (200 ppm).

Floors and Walls
To sanitize—flood-mop a solution of 1/2 oz. per gallon (400 ppm) ROCCAL II 10% on cleaned surfaces.

Equipment
Clean first then sanitize by wiping with a solution of 1/4 oz. per gallon ROCCAL II 10%.

MILK PROCESSING PLANTS
First clean equipment and utensils thoroughly with cleaning agent, then sanitize by immersing in a solution of 200 ppm ROCCAL II 10% (1/4 oz. per gallon).

GENERAL AREAS OF USE:

- Food and drink preparation and service. Food processing equipment and storage areas. Barber and beauty shops. Hospitals and nursing homes. Public or commercial swimming pools and industrial water reservoirs (acceptable). Veterinary hospitals. Public or employee bathrooms and showers. Hotels and motels.

DANGER: Keep Out of Reach of Children. Corrosive.
Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Protect eyes and skin when handling. Harmful if swallowed. Avoid contamination of food. Avoid breathing spray mist.

This product is toxic to fish. Keep Out of lakes, streams, or ponds. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

FIRST AID: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before re-use.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

STORAGE AND DISPOSAL - STORAGE: Store in original container in areas inaccessible to small children. Keep securely closed. Do not contaminate food or feed. **DISPOSAL:** Do not reuse empty container. Rinse thoroughly with water and detergent. Discard in trash.

Do not mix with soap or detergents. Read directions on container label before use.