Material Safety Data Sheet

ROCCAL (R) II - 10%

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

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

Emergency Contact: CHEMREC
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
Appearance
Clear, colorless liquid.

SECTION #4 - FIRE FIGHTING & EXPLOSION DATA

Flash Point: >200°F TCC
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 PROCEDURES

Steps 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 MEASURES

Ventilation

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.
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.
ADDENDUM

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 DISINFECTION
Plants, Walls, Furniture, Matresses, Bedding and Toilet Seats in
Public or Employee Restrooms.
Soak or mop with 800 ppm ROCCAL II 10% (1 oz. per gallon).
DIRECTIONS FOR DEODORATION AND DISINFECTION
Food Areas, soaks in water or a solution of 1 oz. per gallon ROCCAL II 10%.
Faucets, sinks, and other surfaces making sure solution gets into cracks
crevices and corners where food spills or other sources of odors can
occur.
For heavily soiled areas such as garbage and refuse cans, clean first, then
mop with 1 oz ROCCAL II 10% per gallon of water.
TO PREVENT MOLD AND MILDWELL
Clean wall surfaces, floor thoroughly by mop or spray with a solution of
1 oz ROCCAL II 10% per gallon of water. Repeat application after 7 days or
more, when new growth appears.
PUBLIC OR COMMERCIAL SWIMMING POOLS
For regular control of a clean pool use one gallon of ROCCAL II 10% to each
50,000 gallons of pool water. After one application, add 1 oz. every
5 to 7 days ROCCAL II 10% to each 50,000 gallons of water. Every 3 to 7 days
depending on weather. During sunny and humid periods, more frequent
applications may be required.
INDUSTRIAL NON-FOOD WATER SUPPLIES
To control algae in industrial non-food 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 3 to 7 days.
ROCCAL II 10% is added to each 50,000 gallons every 3 to 7 days.
M A T E R I A L S: 100% T o p o r t i o n .
ROCCAL II 10% does not contain any traces of desiccants nor is it
required. Some water due to basic or desiccated forms must be treated
by the addition of ROCCAL II 10% at the rate of 1 oz. per 1000 gallons
added.
BAKERY AND BEAUTY SALON
To disinfect instruments, utensils and equipment, first clean thoroughly,
then rinse in a batch with 400 ppm ROCCAL II 10% prepared by mixing
one full 12 oz. container of ROCCAL II 10% solution to each quart of water (2
oz per gallon). All utensils used on patrons should be immersed in
1 oz ROCCAL II 10% for at least 10 minutes. Rinse.

EATING ESTABLISHMENTS (INCLUDING FOOD SERVICE IN HOSPITALS AND
IN NURSING HOMES):
Dishes, Glasses and Utensils
1. SCOUR AND PRE-RINSE UTENSILS before washing.
2. WASH with a good detergent and hot water.
3. RINSE with clear hot water.
4. SANITIZE by immersing in a 200 ppm (1 oz. per gallon) ROCCAL II 10% solution
for 2 minutes or for the contact time specified in the governing sanitary
codes.
5. AIR DRY on clean surfaces or racks.

Food Preparation Surfaces
Clean with soap and warm water.
To sanitize—soak or mop with a solution of 1 oz ROCCAL II 10% per gallon of water (200 ppm).

Platters and Wares
Clean with soap and warm water.
To sanitize soak or mop with a solution of 1 oz ROCCAL II 10% per gallon of water (200 ppm).

ROOD 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
U.S.D.A. Current—Saniters for all surfaces not always receiving a rinse.
At a solution of 1/4 oz. per gallon (200 ppm).
ROCCAL II 10% is listed as a sanitizing treatment for food processing,
production and service equipment under Federal Regulations Title 21, par
178.1420 without a final rinse when used at a concentration of 1/4 oz. per gallon
of water (200 ppm).

Platters and Wares
To sanitize—soak or mop with a solution of 1/2 oz. per gallon (400 ppm) ROCCAL II 10%
1/8 oz. per gallon on cleaned surfaces.

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

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

ROCCAL II 10%
SANITIZING AGENT/GERMICIDE-ALGICIDE
DEODORIZER
1 oz. per gallon use solution (600 ppm) is germicidal against:
B. Subtilis, P. aeruginosa, E. coli, and Staph. aureus.
BACTEROIDAL KILLS WILDLIFE PREVENTS MUSTY ODORS ON HANDS.
SURFACES CONTROLS THE GROWTH OF ALGAE IN PUBLIC OR COMMERCIAL
SWIMMING POOLS
ROCCAL II 10% lethal to strains of the strept. A pneumoniae. All Recommendations of the U.S. Public Health Service in
waterup to 600 ppm of NaOCl calculated as CaOCl, when mixed by the the
ACGIH Gericidial and Deslegent Sanitizers—Official Method.
ACTIVE INGREDIENTS: Alum 90% 4%, 1% 1% 1%
Colloidal Sulfur: Inorganic Oxygen Dioxide 10%
Active Alum 1%
SRT INGREDIENTS: Water 97.75%
ROCCAL II 10% contains no preservatives.
EPA REGISTRATION NO: 973-3044

DANGER:
KEEP OUT OF THE REACH OF CHILDREN.
See First Aid Statement and Additional Precautions on back panel.

Net Contents: One Gallon

TOTAL L & F INDUSTRIAL PRODUCTS DIVISION
of Everbest Drug Inc.
Cincinnati, O H 45219

GENERAL AREAS OF USE:
1. Food and drink processing and service.
2. Food processing equipment and storage areas.
3. Beverage processing equipment and storage areas.
4. Bar and lounge areas.
5. Hospital and nursing homes.
6. Public or commercial swimming, pools and industrial water reservoirs.
7. Veterinary hospitals.
8. Public or employee bathrooms and showers.
9. Homes and schools.

DANGER: Keep Out of Reach of Children. Contains:
Causally eye damage and skin irritation. Do not get in eyes or on skin. If swallowed:
Avoid breathing of any material. Do not ingest. In case of contact with any material:
Cautiously wash with copious amount of water for at least 15 minutes. For eyes:
Flush with ample water for at least 15 minutes. Contact a physician immediately.

NOT TO PHYSICIAN: Immobile or damaged skin or eyes. If absorbed:
Ingested, drink preferably large quantity of milk and water solution of HCl. Do not use large quantities of water. Call a physician immediately.

STORAGE AND DISPOSAL: Store in original container in areas inaccessible to children.
Keep securely closed. Do not contaminate food or feed.
DO NOT DISPOSE OF IN ORIGINAL CONTAINER:
Rinse thoroughly with water and detergent. Discard in trash.

Do not mix with acids or bleaches. Store direction as container label before use.