

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAM REGISTRATION DIVISION, RM 567 WASHINGTON, D.C. 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE 03 OCT 1984
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT	

NOTICE OF PESTICIDE: REGISTRATION REREGERISTRATION

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended.

NAME AND ADDRESS OF REGISTRANT (include ZIP code)

<input type="checkbox"/>	<input type="checkbox"/>
REGISTRANT'S COMPANY, INC. 12345 MAIN ST. WASHINGTON, D.C. 20000 (1)	
<input type="checkbox"/>	<input type="checkbox"/>

NOTE Changes in labeling formula 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 U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this 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.

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ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

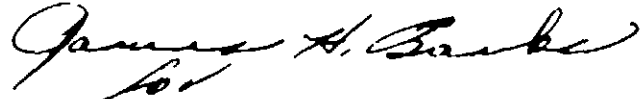
-2-

d. The confirmatory data submitted August 29, 1984, is acceptable and has been assigned the Accession Number 254675.

3. 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). Your release for shipment of the product constitutes acceptance of these conditions.

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



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

Enclosures

DCR-50662:John Lee:RD-1:lge:9/25/84:

		CONCURRENCES					
SYMBOL	▶						
SURNAME	▶						
DATE	▶						

Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry. Brulin's MKT/SAN-II has been formulated to aid in the reduction of cross-contamination in these areas.

Brulin's MKT/SAN-II is a one-step disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal, fungicidal, and will prevent the growth of mold and mildew and their odors when used as directed.

Brulin's MKT/SAN-II is an effective one-step sanitizer-cleaner for use on non-food contact surfaces.

When used as directed, Brulin's MKT/SAN-II will disinfect surfaces in toilet areas, behind and under sinks and showers, garbage cans and garbage storage areas, and other places where bacterial growth can cause mal odors.

Precautionary Statements

Hazards to Humans and domestic animals

DANGER

Keep out of the reach of children. Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed or absorbed through the skin. Avoid contamination of food.

STORAGE AND DISPOSAL

- DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.
- OPEN DUMPING IS PROHIBITED.
- DO NOT REUSE EMPTY CONTAINER.

PESTICIDE DISPOSAL

PESTICIDE, SPRAY MIXTURE OR RINSE WATER THAT CANNOT BE USED ACCORDING 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

TRIPLE RINSE (OR EQUIVALENT) THEN OFFER FOR RECYCLING OR RECONDITIONING, OR DISPOSE OF IN A SANITARY LANDFILL OR BY INCINERATION IF ALLOWED BY STATE AND LOCAL AUTHORITIES.

GENERAL

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

Only for Sale To, Use and Storage By Service Persons.



MKT/SAN-II

Disinfectant-Cleaner-Sanitizer-Fungicide-Mildewstat-Virucide - Deodorizer for Hospitals, Institutional and Industrial Use

Effective in hard water up to 400 ppm hardness (calculated as CaCO₃) in the presence of 5% serum contamination

Active Ingredients	
Octyl dacyl dimethyl ammonium chloride	3.255%
Dioctyl dimethyl ammonium chloride	1.828%
Didacyl dimethyl ammonium chloride	1.828%
Alkyl (C ₁₂ , 50%; C ₁₄ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride	4.340%
Inert Ingredients	89.149%
	100.000%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

Statement of Practical Treatment

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 reuse. 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. Call a physician immediately.

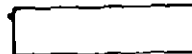
NOTE TO PHYSICIAN: Probably mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No. 108-

EPA Establishment No. 108-14-1

NET CONTENTS



U.S. GALLONS

Manufactured and Sold by **BRULIN & COMPANY, INC.**
Indianapolis, IN Richmond, CA Westwood, NJ Tampa, FL

ACCEPTED
with COMMENTS
EPA Letter Dated:

OCT 03 1984

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

106-70

contamination is of major housekeeping concern not only in hospitals, but in schools, restaurants, and industry. Brulin's MKT/SAN-II has been formulated to aid in the reduction of micro-contamination in these areas.

Brulin's MKT/SAN-II is a one-step disinfectant-cleanser that is effective against a broad spectrum of bacteria, is virucidal, fungicidal, and will prevent the growth of mold and mildew over odors when used as directed.

Brulin's MKT/SAN-II is an effective one-step sanitizer-cleanser for use on non-food contact areas.

When used as directed, Brulin's MKT/SAN-II will deodorize surfaces in toilet areas, behind water sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause mal odors.

Precautionary Statements

Hazards to Humans and domestic animals

DANGER

Avoid the reach of children. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not eat or drink if swallowed or absorbed through the skin. Avoid contamination of food.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL. OPEN DUMPING IS PROHIBITED. DO NOT REUSE EMPTY CONTAINER.

PESTICIDE DISPOSAL

POUR INTO WATER OR RINSE WATER THAT CANNOT BE USED ACCORDING 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

RINSE (OR EQUIVALENT) THEN OFFER FOR RECYCLING OR RECONSTRUCTION, OR DISPOSE OF IN A SANITARY LANDFILL OR BY INCINERATION IF ALLOWED BY STATE AND LOCAL AUTHORITIES.

GENERAL

FOLLOW FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

Only for Sale To, Use and Storage By Service Persons.



MKT/SAN-II

Disinfectant-Cleaner-Sanitizer-Fungicide-Mildewstat-Virucide*
Deodorizer for Hospitals, Institutional and Industrial Use
Effective in hard water up to 400 ppm hardness (calculated as CaCO₃) in the presence of 5% serum contamination

Active Ingredients	
Octyl dodecyl dimethyl ammonium chloride	3.255%
Dioctyl dimethyl ammonium chloride	1.628%
Didecyl dimethyl ammonium chloride	1.628%
Alkyl (C ₁₂ , 50%, C ₁₂ , 40%, C ₁₂ , 10%) dimethyl benzyl ammonium chloride	4.340%
Inert Ingredients	89.149%
	100.000%

KEEP OUT OF REACH OF CHILDREN DANGER

Statement of Practical Treatment

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 reuse.

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. Call a physician immediately.

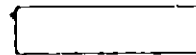
NOTE TO PHYSICIAN: Probably mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No. 106-

EPA Establishment No. 106-IN-1

NET CONTENTS



U.S. GALLONS

Manufactured and Sold by **BRULIN & COMPANY, INC.**
Indianapolis, IN Richmond, CA Westwood, NJ Tampa, FL

Directions for Use GENERAL CLASSIFICATION

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

Brulin's MKT/SAN-II is a proven "one-step" disinfectant-cleanser-sanitizer-virucidal-virucide which is effective in water up to 400 ppm hardness in the presence of serum contamination.

Apply Brulin's MKT/SAN-II to walls, floors and other hard (non-porous) non-porous surfaces such as tables, chairs, countertops, sinks, tile, porcelain, and bedframes with a mechanical spray device so as to thoroughly wet surfaces. For heavily soiled or linens cleaning is required. Prepare a fresh solution daily or when use solution becomes dirty.

Disinfection — to disinfect hard, non-porous surfaces add 1 oz per gallon of use solution must remain wet for 10 minutes. The activity of Brulin's MKT/SAN-II was evaluated in the presence of 5% serum and 400 ppm hard water by the AOAC and found to be effective against a broad spectrum of gram-negative and gram-positive organisms as represented by:

<i>Pseudomonas aeruginosa</i>	<i>Enterobacter aerogenes</i>
<i>Staphylococcus aureus</i>	<i>Salmonella choleraesuis</i>
<i>Salmonella choleraesuis</i>	<i>Streptococcus faecalis</i>
<i>Escherichia coli</i>	<i>Shigella dysenteriae</i>
<i>Streptococcus pyogenes</i>	<i>Salmonella typhi</i>
<i>Klebsiella pneumoniae</i>	<i>Serratia marcescens</i>

Fungicidal Control —

Brulin's MKT/SAN-II is an effective fungicide against *Trichophyton mentagrophytes* (athlete's foot fungus) when used on surfaces in areas such as locker rooms, dress rooms and bath areas, exercise facilities, etc. at 1 oz/gallon.

Mold and Mildew Control.

At 1 oz/gallon, Brulin's MKT/SAN-II will effectively inhibit the growth of mold and mildew odors caused by them when applied to hard, non-porous surfaces (as indicated in instructions above). Allow to dry on surface and repeat when mildew growth returns.

Virucidal Performance

*At 1 oz per gallon use-level, Brulin's MKT/SAN-II was evaluated in the presence of 5% serum and 400 ppm hard water and found to be effective against the following viruses: A. Brazé, Herpes Simplex and Vaccinia on inanimate environmental surfaces.

Sanitizing-Non-Food Contact Surfaces (such as floors, walls, tables, etc.): At 1 oz/gallon use-level, Brulin's MKT/SAN-II is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* on hard porous and non-porous environmental surfaces. Surfaces must remain wet for 60 seconds.

ACCEPTED
with COMMENTS
in EPA Letter dated:

OCT 03 1984

(Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
106-70