

**PRECAUTIONARY STATEMENTS
HAZARD TO HUMAN and
DOMESTIC ANIMALS
DANGER**

Keep Out of Reach of Children. Causes severe eye and skin damage. Do not get in eyes, skin or on clothing. Harmful if swallowed. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Remove and wash contaminated clothing.

**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 all contaminated clothing before reuse. If swallowed, drink milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a physician.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Measure against circulatory shock, respiratory depression and convulsion may be needed.

Crysticlean solution provides sanitizing, disinfecting and deodorizing in hospitals, food processing plants, dairies, restaurants, bars, and other institutions. When used as recommended, it is effective as a sanitizer against *Escherichia coli* and *Staphylococcus Aureus* and as a disinfectant against *Staphylococcus Aureus*, *Salmonella Choleraesuis* and *Pseudomonas Aeruginosa*. Crysticlean is authorized under the food Additive Amendment of the Federal Food, Drug and Cosmetic Act for use as a sanitizing solution at 200ppm active level without requiring a final potable rinse.

DISINFECTION — At 3 ounces per 5 gallon dilution, Crysticlean exhibits effective activity against the organisms *Salmonella Choleraesuis* and *Staphylococcus Aureus*. At 3 1/2 ounces per 5 gallons dilution, Crysticlean is an acceptable hospital disinfectant and demonstrates activity against *Pseudomonas Aeruginosa*.

VIRUCIDAL ACTIVITY* This product when used on environmental, inanimate hard surfaces at 3 1/2 ounces per 5 gallons of water is effective against Influenza A2 (representative of the flu virus), Herpes simplex (causative agent of blisters and mononucleosis), Adenovirus Type 2 (causative agent of upper respiratory infections), and Vaccinia Virus (representative of the pox virus group). Efficacy tests have demonstrated that Crysticlean is an effective bactericide, and virucide* in the presence of organic soil (5% blood serum).

DEODORIZATION — Crysticlean deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, pot areas and any other areas which are prone to odors caused by microorganisms.

MOLD and MILDEWSTAT — Crysticlean prevents and controls mold and mildew and the odors they cause on hard non-porous inanimate surfaces.

SANITIZATION — When used for sanitization of previously cleaned food equipment or food contact items limit active quataternaries to 200ppm. At this level NO POTABLE WATER RINSE is required. Crysticlean is an effective sanitizer when diluted in water up to 750ppm hardness (CaCo3).

STORAGE and DISPOSAL

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

PESTICIDE DISPOSAL — Pesticides that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide or buried in a safe place.

CONTAINER DISPOSAL — Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

CRSTYCLEAN

Liquid

Disinfectant
Deodorizer

Sanitizer
Virucide*

ACTIVE INGREDIENTS:

n-Alkyl (60% C14, 20% C16, 5% C12, 5% C18)	5%
dimethyl benzyl ammonium chlorides	5%
n-Alkyl (68% C12, 32% C14) dimethyl	5%
ethyl benzyl ammonium chlorides	5%
INERT INGREDIENTS	90%
	100%

DANGER

**KEEP OUT OF REACH OF CHILDREN
"ONLY FOR SALE TO, USE,
AND STORAGE BY SERVICE PERSON."**

See side panel for additional precautionary and practical treatment statements.

Manufactured for:
Nord Chemical Company
P.O. Box 6512
Duluth, Minnesota 55806

E.P.A. Reg. No. 482-4 E.P.A. Est. No. 482-MN-1
NET CONTENTS 1 GALLON /ACCEPTED
with COMMENTS
EPA Letter Dated:

DEC 15 1982

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

**DIRECTIONS FOR
General Classification**

It is a violation of Federal Law to use this product in a manner inconsistent with its label. Crysticlean solution has been used in hospitals, food processing plants, bars, and other institutions where sanitization is of prime importance.

DISINFECTION — To disinfect cleaned hard inanimate surfaces (table tops), apply Crysticlean solution with a mechanical sprayer so as to wet the main for 10 minutes and then let a

DILUTION RATES: To add 3 ounces per 5 gallons of water. For disinfection of previously used instruments, barber tools, and dental submerge instruments into solution, add 3 ounces Crysticlean per gallon of water. For disinfection, a pre-cleaning step is recommended. Prepare a fresh solution for

DEODORIZER — To deodorize, use Crysticlean solution as indicated under "Disinfection" above.

MILDEWSTAT — To control mildew on pre-cleaned, hard non-porous surfaces (tops), add 3 ounces Crysticlean solution per 5 gallons of water. Apply solution with a cloth. Be sure to wet all surfaces completely. Prepare a fresh solution for each use. Repeat at intervals or when mildew reappears.

SANITIZATION — To sanitize cleaned and non-porous food contact surfaces, add 3 ounces Crysticlean solution by adding 1 1/2 gallons of water. To sanitize tanks, chopping blocks, counter tops, etc., add 3 ounces Crysticlean solution for at least 60 seconds. Prepare a fresh solution daily or more frequently as soil is apparent. To sanitize mobile items (glasses, eating utensils), immerse in solution for at least 60 seconds making sure to wet all surfaces completely. Prepare a fresh solution daily or more frequently as soil is apparent.



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DANGER**

Children. Causes severe eye and skin damage. Do not get in eyes, skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing and wash contaminated clothing.

**STATEMENT OF
PRACTICAL TREATMENT**

Immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, and wash all contaminated clothing before reuse. If swallowed, drink milk, egg white or if these are not available, drink large quantities of water. Call a physician.

NOTE TO PHYSICIAN

There may be contraindications to the use of gastric lavage. Measure against circulatory depression and convulsion may be needed.

Use for sanitizing, disinfecting and deodorizing in hospitals, food processing plants, bars, and other institutions. When used as recommended, it is effective against *Salmonella choleraesuis* and *Staphylococcus aureus* and as a disinfectant against *Salmonella choleraesuis* and *Pseudomonas aeruginosa*. Crysticlean is an Acceptive Amendment of the Federal Food, Drug and Cosmetic Act for use as a 200ppm active level without requiring a final potable rinse.

At 3 ounces per 5 gallon solution, Crysticlean exhibits effective activity against *Salmonella choleraesuis* and *Staphylococcus aureus*. At 3 1/2 ounces per 5 gallons an acceptable hospital disinfectant and demonstrates activity against *Staphylococcus aureus*.

ACTIVITY* This product when used on environmental, inanimate hard surfaces per 5 gallons of water is effective against Influenza A2 (representative of the influenza causative agent of blisters and mononucleosis), Adenovirus Type 2 (causative agent of respiratory infections), and Vaccinia Virus (representative of the pox virus group). It is demonstrated that Crysticlean is an effective bactericide, and virucide* in the presence of 5% blood serum.

ODOR — Crysticlean deodorizes those areas which generally are hard to keep clean: garbage storage areas, empty garbage bins and cans, pot areas and any other areas where odors caused by microorganisms.

DEWSTAT — Crysticlean prevents and controls mold and mildew on hard non-porous inanimate surfaces.

When used for sanitization of previously cleaned food equipment or food contact surfaces to 200ppm.

A WATER RINSE is required. Crysticlean is an effective sanitizer when diluted in water (CaCo3).

STORAGE and DISPOSAL
CONTAMINATE WATER, FOOD OR FEED BY
DISPOSAL

SPRINKLING IS PROHIBITED
DO NOT REUSE EMPTY CONTAINER

DISPOSAL — Pesticides that cannot be used or chemically reprocessed should be disposed in a landfill approved for pesticide or buried in a safe place.

DISPOSAL — Triple rinse (or equivalent) and dispose in an incinerator or other approved pesticide containers, or bury in a safe place.

CRSTYCLEAN



**Disinfectant
Deodorizer**

**Sanitizer
Virucide***

ACTIVE INGREDIENTS:

n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18)	5%
dimethyl benzyl ammonium chlorides	5%
n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chlorides	90%
INERT INGREDIENTS	100%

DANGER

**KEEP OUT OF REACH OF CHILDREN
"ONLY FOR SALE TO, USE,
AND STORAGE BY SERVICE PERSON."**

See side panel for additional precautionary and practical treatment statements.

Manufactured for:
Nord Chemical Company
P.O. Box 6512
Duluth, Minnesota 55806

E.P.A. Reg. No. 482-4 E.P.A. Est. No. 482-MN-1
NET CONTENTS 1 GALLON

ACCEPTED
with COMMENTS
by EPA Letter Date:

DEC 15 1982

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

**DIRECTIONS FOR USE
General Classification**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Crysticlean solution has been designed specifically for hospitals, food processing plants, dairies, restaurants, bars, and other institutions where disinfection and sanitization is of prime importance.

DISINFECTION — To disinfect previously cleaned hard inanimate surfaces (such as walls, floors, table tops), apply Crysticlean solution with mop, cloth, or mechanical sprayer so as to wet thoroughly. Allow to remain for 10 minutes and then let air dry.

DILUTION RATES: General Disinfection — add 3 ounces per 5 gallons of water. For disinfection of previously cleaned surgical instruments, barber tools, and dental equipment simply submerge instruments into solution containing 1 1/2 ounces Crysticlean per gallon of water for 10 minutes. For disinfection, a pre-cleaning step is required and recommended. Prepare a fresh solution for each use.

DEODORIZER — To deodorize, apply Crysticlean solution as indicated under the "General Disinfection" above.

MILDWSTAT — To control mold and mildew on pre-cleaned, hard non-porous surfaces (floors, walls, table tops), add 3 ounces Crysticlean solution per gallon of water. Apply solution with a cloth, mop, or sponge making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew reappears.

SANITIZATION — To sanitize previously cleaned and non-porous food contact surfaces, prepare Crysticlean solution by adding 1 ounce Crysticlean to 4 gallons of water. To sanitize immobile items (such as tanks, chopping blocks, counter tops), flood the area with Crysticlean solution for at least 60 seconds making sure to wet all surfaces completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil is apparent. To sanitize mobile items (such as drinking glasses, eating utensils), immerse in Crysticlean solution for at least 60 seconds making sure to immerse completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

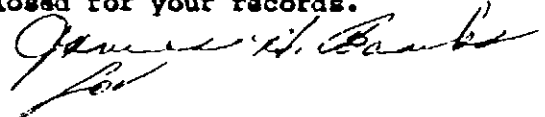


- f. On the left panel, next to last paragraph, the heading "PESTICIDE DISPOSAL" should be "PESTICIDE DISPOSAL." Also the first word in the paragraph, "Presticides" should be "Pesticides."
- g. On the front panel, the word "CHIDREN" should be "CHILDREN."
- h. On the right panel, second sentence, the "sanitazation" should be "sanitization."
- i. On the right panel, under DILUTION RATES last sentence, the word "diafection" should be "disinfection."
- j. On the right panel the headings "DEODOREZER" and "MILDWSTAT" should be "DEODORIZER" and "MILDEWSTAT."

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

Enclosure