

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Ms. George Anastasiou, Lewis & Harrison
Agent for
Pace Chemical Ltd.
122 C Street, NW Suite 740
Washington DC 2001

MAR 31 2009

Subject: **KleenGrow**
EPA Registration Number 81820-2
Notification Application Dated March 5, 2009
EPA Received Date March 5, 2009

Dear Ms. Anastasiou:

This will knowledge receipt of your notification, submitted under the provisions of FIFRA section 3c 9. Based on a review of the submitted material the following comment apply.

Proposed Amendment:

To change the term "footbath" to "shoebath"

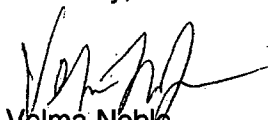
General Comment:

Based on a review of the material submitted, the following comment apply:

The notification is acceptable. A copy has been inserted in your file for future reference.

Should you have any questions concerning this letter please contact me at Drusilla Copeland at (703) 308-6224.

Sincerely,



Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510P)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							



EPA

United States
Environmental Protection Agency
 Washington, DC 20460

- Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number 81820-2	2. EPA Product Manager Velma Noble	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) KleenGrow	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) Pace Chemicals Ltd. 8321 Willard Street Burnaby, BC, Canada V3N 2X3 <u>PLEASE SEND ALL CORRESPONDENCE TO "CONTACT POINT" LISTED BELOW</u> <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section – II

Amendment – Explain below. Final printed labels in response to Agency letter dated _____
 Resubmission in response to Agency letter dated _____ "Me Too" Application
 Notification – Explain below. Other – Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Application for Formula Notification. Please read cover letter for details.

Notification Accordance with PR Notice 98-10

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package wgt. No. per container	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify):
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Certification must be submitted

3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container 5, 30 or 55 gallon	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product
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6. Manner in Which Label is Affixed to Product
 Lithograph Other _____
 Paper glued
 Stenciled

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)

Name Georgia Anastasiou, Lewis & Harrison 122 C Street, NW – Suite 740, Washington DC 20001	Title Agent for Pace Chemical Ltd.	Telephone No. (Include Area Code) 202-393-3903 x19
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Certification
 I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature <i>Georgia Anastasiou</i>	3. Title Agent for Pace Chemical Ltd.	6. Date Application Received (Stamped)
4. Typed Name Georgia Anastasiou	5. Date March 5, 2009	

March 5, 2009

HAND DELIVERED

Document Processing Desk [NOTIF]
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington VA 22202

ATTENTION: **Velma Noble**
 Product Manager, Team 31

SUBJECT: **Pace Chemical, Ltd**
 KleenGrow (EPA Reg. No. 81820-2)
 Application for Notification

Dear Ms. Noble:

On behalf of Pace Chemical, Ltd., I am submitting a notification for the product **KleenGrow (EPA Reg. No. 66963-8)**. The purpose of this notification is to change the term "footbath" to "shoebath".

In support of this submission, enclosed please find the following documents:

- A) Application for Pesticide;
- B) One (1) copy of the label with changes highlighted; and,
- C) Two (2) copies of the revised label.

If you have any questions or need additional information please contact me at 202-393-3903 x19 or by email at georgia@lewisharrison.com.

Thank you for your assistance with this submission.

Sincerely,

Georgia Anastasiou

Georgia Anastasiou
Agent for
Pace Chemical, Ltd

cc: Wesley Martin (Pace)

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KleenGrow

**Algicide • Fungicide • Bactericide
Disinfectant • Cleaner • Virucide**

Use as a Cleaner or General Disinfectant for controlling Fungal and Bacterial pathogens on hard-surfaces and on Ornamentals, Potted Plants, Cut Flowers and Nursery Stock in Greenhouses. Only for use in Fruit/Vegetable Packing Facilities, Storage Areas, and Coolers

Active Ingredients:

Didecyl dimethyl ammonium chloride 7.5%

Other Ingredients:

92.5%

TOTAL:

100.0%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

EPA Registration No. 81820-2

EPA Establishment No. 49292-WA-1

NET CONTENTS: 1 gallon (3.78 liters), 5 gallons (18.9 liters) or 30 gallons (114 liters)

PACE CHEMICALS LTD.

8321 Willard Street,
Burnaby, B.C.
V3N 2X3
CANADA
1-800-799-6211
www.pacechem.com

NOTIFICATION
Date Reviewed: 3/31/09
Reviewed By: *[Signature]*

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER. Corrosive. Causes irreversible eye damage. Causes skin burns. Do not get in eyes, on skin or on clothing. Harmful if swallowed or absorbed through the skin. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear protective eyewear, long pants and long-sleeved shirt, shoes plus socks and chemical resistant gloves. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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User Safety Recommendations

Users should:

- Wash hands before drinking, eating, chewing gum, using tobacco or using the toilet.
- Remove PPE clothing immediately if the pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

If in Eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes, then continue rinsing eye. • Remove contact lenses, if present after the first 5 minutes, then Continue rinsing the eye. • Call a 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 a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN: Probably mucosal damage may contraindicate the use of gastric lavage.	

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. 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 State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR 170. This standard contains requirements for the protection of agricultural workers on farms, forest, nurseries and greenhouses, and the handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. (Note: The REI does not apply to hard surface or irrigation line disinfection.)

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

For early entry into treated area permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, workers must wear coveralls, chemical resistant gloves, shoes plus socks and protective eyewear.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

GENERAL DISINFECTION OF HARD NON-POUROUS SURFACES:

Use 1 fl. oz. of **KleenGrow** per gallon of water. Apply solution with a cloth, mop, sponge, coarse spray device or by immersion to previously cleaned hard nonporous surfaces until surfaces are thoroughly wet. Treated surfaces must remain wet for 10 minutes. Wipe dry with a clean cloth or sponge or allow to air dry. Prepare a fresh solution daily or more often if solution becomes visibly diluted or soiled.

Footbaths/Shoebaths

Prepare a solution of **KleenGrow** at a dilution of 1.0 – 2.0 fl. oz. per gallon of water. Pour this solution into a footbath to a depth of ½" to 1" or on a foot mat to the top of the ribs. Check ~~footbath~~ shoebath frequently with Quaternary Ammonium Chloride (QAC) test strips, to ensure rate is 600 ppm (1.0 fl. oz per gallon of water) or above. Add additional **KleenGrow** solution as necessary to keep a.i. at proper level or change the solution if it appears visibly soiled.

First clean shoes or boots of all debris by scraping.

To Disinfect Footwear: Place in ~~footbath~~ shoebath for at least **10 minutes**.

To Wash Footwear: Place in ~~footbath~~ shoebath for at least **30 seconds**.

Disinfection of Packing Facility and Equipment

Remove debris and thoroughly clean all surfaces of packing equipment with soap or detergent and rinse with water. Saturate all surfaces with a solution of 1 fl. oz. of **KleenGrow** per gallon of water for 10 minutes. Wipe dry with a clean cloth or sponge or allow to air dry. Ventilate closed spaces. If treated surfaces will come in contact with food, thoroughly rinse surfaces with potable water.

Disinfection of Trucks and Transportation Equipment

Remove debris and thoroughly clean all surfaces of trucks and other transportation equipment with soap or detergent and rinse with water. Saturate all surfaces with a solution of 1 fl. oz. of **KleenGrow** per gallon of water for 10 minutes. Wipe dry with a clean cloth or sponge or allow to air dry. Ventilate closed spaces.

GENERAL CLEANING AND MICROBAL CONTROL:

Pythium Control in Irrigation Systems – “End of Season”

1. Rinse irrigation lines of debris prior to cleaning by filling them with a 1.25 fl. oz. of **STRIP-IT** per gallon of water.
2. Allow **STRIP-IT** to sit for up to 12 hours before flushing with clean water.
3. Fill irrigation system with **KleenGrow** at 0.5 fl. oz. per gallon of water and allow solution to sit for at least 10 minutes.
4. Drain lines thoroughly, allow to air dry and then recharge with nutrient solution.

Tools, Cutters and Equipment

Thoroughly wash all tools, cutters and small equipment with soap or detergent and rinse with water. Saturate all surfaces with a solution of 0.5 fl. oz. of **KleenGrow** per gallon of water for 10 minutes. Wipe dry with a clean cloth or sponge or allow to air dry.

Algae Removal from Walls, Benches, Coolers, Floors, Walkways, and Workways

Thoroughly wash all walls, benches, or floors with soap or detergent and rinse with water. Saturate all surfaces with a solution of 0.5 fl. oz. of **KleenGrow** per gallon of water for 10 minutes. Wipe dry with a clean cloth or sponge or allow to air dry. Ventilate closed spaces. Re-apply **KleenGrow** every 14 days to keep algae from returning, soap or detergent is not necessary with reapplication of **KleenGrow**.

Algae, Fungus and Odor Control in Evaporative Cooling Pads

Add 0.15 to 0.25 fl. oz. of **KleenGrow** per gallon of water to evaporative cooling pad system once a month to control disease and algae buildup.

CONTROL OF FUNGAL AND BACTERIAL DISEASES ON ORNAMENTAL CROPS:

This product is to be used in greenhouses and not outdoors. Do not spray directly on fruits and vegetables. If product is used on tools or equipment or in any surface that may contact food crops, thoroughly rinse surfaces with potable water before using tools or equipment.

Botrytis, Powdery Mildew, Downy Mildew, Fusarium, Xanthomonas, Thielaviopsis, Fungal and Bacterial Leaf Spots and Blights - Foliar Spray

Apply **KleenGrow** starting at Week 3 or earlier if conditions are favorable for disease. Use a watering device to apply a wet srench at a rate of 0.15 to 0.5 fl. oz. per gallon of water (90 to 300 ppm a.i.) every 14 days. Apply **KleenGrow** with a direct spray every 14 days to prevent the spread of spores and the build-up of organic material. Severely infected plants should be removed and the area disinfected with 1.0 fl. oz. **KleenGrow** per 1 gallon of water.

Botrytis Control - Fogging in Coolers (Not to be used on food crops within coolers or vegetable greenhouse applications)

Use fogging equipment to control botrytis on cut flowers and potted plants in coolers with a rate of 0.25 - 0.5 oz per gallon of water.

Root Rots - Preventative Drench - Thielaviopsis, Pythium, Rhizoctonia, Phytophthora

Apply **KleenGrow** by injecting 0.25 to 0.5 fl. oz. per gallon of water (150 to 300 ppm a.i.) once each 14 days, making sure that the root zone is completely wet with solution. **KleenGrow** drench can be done with fertilizer injector pumps, automatic dosing pumps or for smaller operations, by hand using protective gloves.

Seed, Bulb and Corm Rots Dip (pre planting) - Botrytis, Rhizoctonia, Fusarium, Penicillium, Erwinia, Pseudomonas

For control of Botrytis, Rhizoctonia, Fusarium and Penicillium bulb rots and other fungal and bacterial diseases of tulip, narcissus, gladiolus, crocus, dahlia, freesia, iris, lily, daylily, amaryllis, hyacinth, iris, scilla and ornamental onion. Immerse both crate and bulbs in a solution of 0.15 to 1.5 fl. oz. **KleenGrow** per 1 gallon of water (90 to 900 ppm a.i.) for 30 sec. Remove from solution and allow to drain prior to planting or storage. Test solution regularly using QAC test strips, (La Motte #2949-BJ or equivalent). Add **KleenGrow** when necessary, to maintain an a.i. concentration between 90 and 900 ppm.

CAUTION: KleenGrow may be phytotoxic to some ornamental plants and phytotoxicity may develop after repeated applications in a short time interval. A test spray or drench is recommended before treating the entire crop, especially when using the higher recommended concentration. Use with caution on young seedlings or tender young growth.

STORAGE AND DISPOSAL

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

Pesticide Storage: Do not store on side. Avoid creasing or impacting of side walls.

Pesticide 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: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.