

34704-804

02/16/2005

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Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

<input type="checkbox"/>	Registration
<input checked="" type="checkbox"/>	Amendment
<input type="checkbox"/>	Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number 34704-804	2. EPA Product Manager Joanne Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Stay N 2000	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Loveland Products, Inc. P.O. Box 1286 Greeley, Colorado 80632-1286 <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

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b> FEB 16 2005
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

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

Change to ingredients statement per EPA request.

### Section - III

1. Material This Product Will Be Packaged in:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
		If "Yes" Package wgt.	No. per container	<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Scott Baker	Title Registration Manager	Telephone No. (Include Area Code) 970-347-1466
<b>Certification</b> 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.		H. Date Application Received (Stampad)
2. Signature 	3. Title Registration Manager	
4. Typed Name Scott Baker	5. Date February 7, 2005	

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Performance

Quality

Value

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February 7, 2005

**NOTIFICATION**

FEB 16 2005

Document Processing Desk (NOTIF)  
ATTN: Joanne Miller  
Office of Pesticide Programs (7504C)  
U.S. Environmental Protection Agency  
Room 226A, Crystal Mall 2  
1801 S. Bell Street  
Arlington, VA 22202-4501

Subject: Ingredient Statement Update  
EPA Reg. No. 34704-804

**"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."**

Please contact me at (970) 347-1468 or by e-mail: [scott.baker@uap.com](mailto:scott.baker@uap.com) if there are any questions or comments, or additional data needed regarding this submission.

Sincerely,

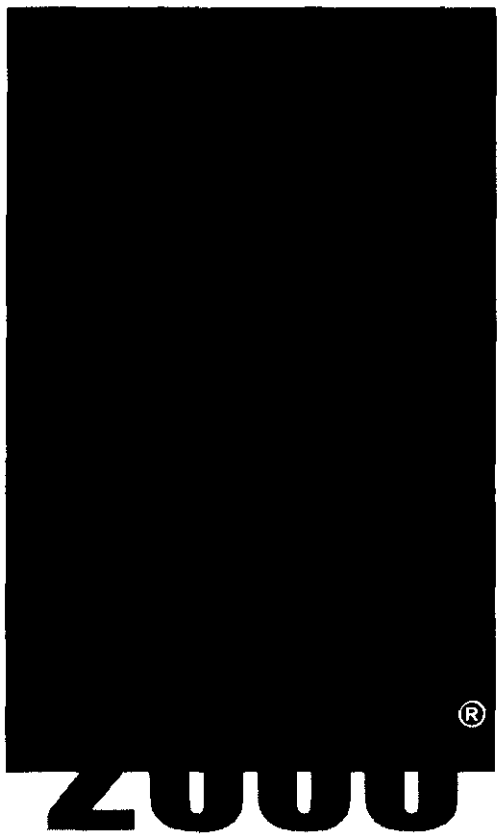
A handwritten signature in cursive script that reads "Scott Baker".

Scott Baker  
Registration Manager

NOTIFICATION

FEB 16 2005

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# NITROGEN STABILIZER

Use to delay nitrification of ammoniacal and urea nitrogen fertilizer compositions in the soil by controlling the nitrification process.

**ACTIVE INGREDIENTS:**

Nitrapyrin: 2-chloro-6-(trichloromethyl) pyridine	19.8%
INERT INGREDIENTS:	80.2%
<b>TOTAL</b>	<b>100.0%</b>

Contains aromatic petroleum distillates.  
Contains 2 pounds of active ingredients per gallon.

## KEEP OUT OF REACH OF CHILDREN DANGER—PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Refer to label booklet for additional first aid precautionary statements.  
Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Notice of Warranty" inside label booklet.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA REG. NO. 34704-804

EPA EST. NO. \_\_\_\_\_

NET CONTENTS \_\_\_\_\_ GALLONS ( \_\_\_\_\_ L)

IHT

02B05

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Causes Irreversible Eye Damage • Harmful If Swallowed • Harmful If Absorbed Through Skin • The Active Ingredients In This Product may Cause Skin Sensitization Reactions In Certain Individuals

Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing vapor or spray mist.

**Personal Protective Equipment (PPE):**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selections chart.

**Applicators and other handlers must wear:** Long-sleeved shirt and long pants, chemical-resistant gloves such as barrier laminate or viton, shoes plus socks, and protective eyewear.

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.

#### USER SAFETY RECOMMENDATIONS

Users should:  
Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.  
Remove clothing immediately if 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

<b>if in eyes:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>if swallowed:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have a person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
<b>if on skin or clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>if inhaled:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**Note to Physician:** May pose an aspiration pneumonia hazard. Probable mucosal damage may contraindicate the use of gastric lavage.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL:**  
1-800-301-7976.

#### ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes.

#### PHYSICAL OR CHEMICAL HAZARDS

Combustible - Do not use, pour, spill or store near heat or open flame.

#### DIRECTIONS FOR USE

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

Read all Directions for Use carefully before applying.

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 requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

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# STAY-N® 2000 EPA REG. NO. 34704-804

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and 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) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

**Exception:** If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, chemical-resistant gloves such as barrier laminate or viton, shoes plus socks and protective eyewear.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**Storage:** Store above 18° F to keep product in solution. Below 14° F, crystals may form and settle to the bottom. To redissolve the crystals, allow the contents to warm up to about 70° F and to stand for several days at that temperature. Once the crystals have dissolved, a gently rolling of the container will ensure a uniform mixture of the contents.

**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: 2½ Gallon Plastic Bottles and Non-Returnable Plastic Drums:** Do not reuse empty container. Triple rinse (or equivalent), adding rinsate to spray tank. 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.

**Non-Returnable Metal Drums:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by the state and local authorities.

**Returnable Non-Bulk or Bulk Containers:** Return empty container to point of purchase.

## GENERAL INFORMATION

STAY-N 2000 is an emulsifiable product that may be used in formulation of and application with aqua ammonia, other liquid ammoniacal or urea nitrogen fertilizer compositions or liquid animal wastes. When liquid or dry ammonium and urea fertilizers and animal wastes are surface applied, STAY-N 2000 may be used with water and applied during the incorporation operation.

## GENERAL USE PRECAUTIONS

Chemigation: Do not apply this product through any type of irrigation system.

This product is corrosive to aluminum components which may affect the operation of pumping, mixing and application equipment. To minimize corrosion of equipment and for maximum effectiveness, do not store liquid fertilizer solutions containing STAY-N 2000. Use within 72 hours of mixing. Rinse application equipment used to apply liquid fertilizers and STAY-N 2000 with water after each use. Use with hot mix fertilizers is not recommended. High temperatures generated in production of these mixtures can cause rapid degradation of product and a reduction in effectiveness.

## MIXING DIRECTIONS

To prepare the spray, add ½ of the required amount of water or fertilizer to the spray tank and, with agitation, add the STAY-N 2000. Complete filling the tank with the balance of the water or fertilizer needed. When adding this product through eductor systems on fertilizer application units, either pre-mix one part of STAY-N 2000 to two parts water or be careful to open the inlet valve only about 1/3 of maximum. Either method will reduce the ratio of STAY-N 2000 to fertilizer and thus reduce the possibility of formation of undesirable invert emulsions of STAY-N 2000 and fertilizer. When making applications of this product and liquid nitrogen fertilizer compositions or liquid animal wastes, agitation must be provided before and during application to maintain a uniform mixture. The application system must be capable of keeping a suspended solid dispersed throughout the liquid.

### Granular Ammonium and Urea

STAY-N 2000 may be impregnated on most dry ammoniacal fertilizers or fertilizer blends containing ammoniacal fertilizers. Uniform application in the field and immediate incorporation are necessary to insure optimum results.

For impregnating STAY-N 2000 on dry fertilizers, use a closed rotary drum mixer equipped with suitable spraying equipment. The spray nozzle should be positioned inside the mixer to provide uniform spray coverage of the tumbling fertilizer. Check the crop section of this label to determine the per acre use rate of STAY-N 2000. The maximum amount of STAY-N 2000 to be added is one quart per 100 pounds of nitrogen fertilizer and the minimum amount is one quart per 500 pounds of nitrogen fertilizer. At the higher concentrations of STAY-N 2000, the fertilizer may not readily absorb all of the liquid. For a suitable free-flowing mixture, an absorptive powder such as Micro-CelE should be added separately and uniformly to the fertilizer blend following addition of STAY-N 2000.

Bulk fertilizers impregnated with STAY-N 2000 should be applied immediately, **not stored**. All bulk containers should be tightly covered while the products are being transported and applied to reduce the chance of loss of STAY-N 2000 via volatilization. All fertilizers impregnated with STAY-N 2000 should be incorporated within 48 hours after application. For optimal performance, STAY-N 2000 should be incorporated immediately after application.

All individual state regulations including those related to flammable liquid handling and to dry bulk blending registration, labeling and application are the responsibility of the individual and/or company selling STAY-N 2000 on fertilizer mixtures.

**Do not use STAY-N 2000 with dry fertilizers containing nitrate such as ammonium nitrate, potassium nitrate or calcium nitrate. Do not mix seed with dry fertilizers impregnated with STAY-N 2000.**

## TANK MIXING DIRECTIONS

STAY-N 2000 may also be applied in tank mixtures in water or in most urea-ammonium nitrate solutions and N-P-K solutions, slurries or suspensions with the following preplant incorporated herbicides: atrazine or Bladex for use on sorghum; and Sutan+, atrazine, Bladex, Eradicane, Lasso, Dual, or combinations of Sutan+ with atrazine or Bladex for use on corn. Physical compatibility of these tank mixtures should be determined before combining in the spray tank. Tank mixtures of STAY-N 2000 and these herbicides in water generally do not require a compatibility aid such as Compex or Unite while tank mixtures with fertilizers frequently will. Maintain constant agitation during both mixing and application to ensure uniformity of the spray mixture. Read and carefully follow all applicable directions including dosage rates, restrictions, and precautions for the specified crops on labeling for the other products used in combination with STAY-N 2000.

The suggested mixing sequence for tank mixtures of STAY-N 2000 with herbicides in water or liquid nitrogen fertilizers is as follows:

1. Fill the spray tank ½ full of water or liquid fertilizer.
2. Begin agitation.
3. Add a compatibility aid, if needed. (If water slurried premixes of wettable powders or flowables are used as in Steps 4 and 5, a compatibility aid may be added to the premix for convenience.)
4. Add wettable powder formulations to the tank (make a water slurry with wettable powders first).
5. Add flowable formulations to the tank.
6. Add emulsifiable concentrate formulation including STAY-N 2000 to the tank (pre mix 1:2 with water first if introduced to the tank through eductor systems.)
7. Add the balance of the water or liquid fertilizer and continue agitation until the tank is empty.

**Note:** Test compatibility of the intended tank mixture before adding STAY-N 2000 to the spray or mix tank. Add proportionate amounts of each ingredient to a pint or quart jar, cap, shake, and let set 15 minutes. Formation of precipitates or layers that do not readily redispense indicates an incompatible mixture that should not be used.

## USE AND DOSAGE RECOMMENDATIONS

### Immediate Incorporation:

STAY-N 2000 must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches. For optimum performance, STAY-N 2000 should be incorporated immediately after application.

### Delayed Incorporation:

STAY-N 2000 must be incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches. Soil incorporation of STAY-N 2000 may be delayed for up to 48 hours after application, provided that conditions exist where soil contains at least 3% organic matter and soil temperatures do not exceed 65° F.

## APPROVED CROPS:

### CORN, SORGHUM, WHEAT

#### Preplant or At-Plant (Starter) Row, 2"x 2", or Band Application

Use STAY-N 2000 at the rate of 1 to 2 pints per acre. STAY-N 2000 may also be applied in tank mixture with ACA PLUS @ at the rate of 12-24 ounce per acre. (See also "Split Application on Corn".)

#### Preplant or At-Plant Broadcast Application

Use STAY-N 2000 at the rate of 1 to 4 pints per acre. The higher rate is preferred when fall applications are made prior to spring planted crops. STAY-N 2000 may also be applied in tank mixture with ACA PLUS at the rate of 12-24 ounce per acre. (See also "Split Applications on corn".)

**NOTE:** For Delayed Incorporation, apply STAY-N 2000 as a broadcast application at the rate of 2 to 4 pints per acre. See Delayed Incorporation recommendations listed above.

**STAY-N® 2000**  
**EPA REG. NO. 34704-804**

**Postplant (Side Dress) Application in Corn**

Use STAY-N 2000 at the rate of 1 to 2 pints per acre at any time after crop emergence, up to 30 days post plant.

**Split Applications on Corn**

In addition to a preplant or at-plant (starter) application, a second application may be made postplant at the rate of 1 to 2 pints of STAY-N 2000 per acre. For high yield production, use the 2 pint per acre rate.

The total amount of STAY-N 2000 applied in a split application program involving a preplant or at-plant treatment followed by a postplant treatment must not exceed 2 quarts per acre per year.

**Application With Liquid Animal Wastes**

Use STAY-N 2000 at the rate of 2 to 4 pints per acre and apply preplant in the fall or spring. The 4-pint per acre rate is recommended for all fall applications with animal wastes.

**Restrictions**

Do not apply more than 4 pints of STAY-N 2000 per acre per year on corn, sorghum, and wheat. Make only one postplant application per year. Postplant applications can only be made up to 30 days postplant on corn. Crops listed on this label may be rotated in less than one year from the last application. All other crops are not to be rotated in less than one year from the last application.

**WARRANTY DISCLAIMER AND NOTICE**

THE DIRECTIONS FOR USE OF THIS PRODUCT ARE BELIEVED TO BE ADEQUATE AND SHOULD BE FOLLOWED CAREFULLY. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT DUE TO SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OR ABSENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF LOVELAND PRODUCTS, INC., THE MANUFACTURER OR SELLER.

THE PRODUCTS SOLD TO YOU ARE FURNISHED "AS IS" BY LOVELAND PRODUCTS, INC., THE MANUFACTURER OR SELLER, AND ARE SUBJECT ONLY TO THE MANUFACTURER'S WARRANTIES, IF ANY, WHICH APPEAR ON THE LABELS TO THE PRODUCTS SOLD TO YOU. EXCEPT AS EXPRESSLY PROVIDED HEREIN, LOVELAND PRODUCTS, INC., THE MANUFACTURER OR SELLER MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD OR USE OF THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. EXCEPT AS EXPRESSLY STATED HEREIN, LOVELAND PRODUCTS, INC., THE MANUFACTURER OR SELLER MAKES NO WARRANTY OF RESULTS TO BE OBTAINED BY USE OF THE PRODUCT. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND LOVELAND PRODUCTS, INC.'S, THE MANUFACTURER'S OR SELLER'S TOTAL LIABILITY, SHALL BE LIMITED TO DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT. NO AGENT OR EMPLOYEE OF LOVELAND PRODUCTS, INC. OR SELLER IS AUTHORIZED TO AMEND THE TERMS OF THIS WARRANTY DISCLAIMER OR THE PRODUCT'S LABEL OR TO MAKE A REPRESENTATION OR RECOMMENDATION DIFFERENT FROM OR INCONSISTENT WITH THE LABEL OF THIS PRODUCT.

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ACA PLUS® is a registered trademark of Platte Chemical Co.

FORMULATED FOR



P.O. BOX 1286, GREELEY, COLORADO 80632-1286

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<i>Performance</i>	<i>Quality</i>	<i>Value</i>
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February 7, 2005

Document Processing Desk (NOTIF)  
 ATTN: Joanne Miller  
 Office of Pesticide Programs (7504C)  
 U.S. Environmental Protection Agency  
 Room 226A, Crystal Mall 2  
 1801 S. Bell Street  
 Arlington, VA 22202-4501

Subject: Ingredient Statement Update  
 EPA Reg. No. 34704-804

Loveland Products, Inc. (Loveland) is submitting updated labeling for Stay N 2000, EPA Reg. No. 34704-804, to comply with the Agency's request to update the ingredients statement.

Please find enclosed:

1. Application form 8570-1
2. Revised Label - 5 copies

Please contact me at (970) 347-1468 or by e-mail: [scott.baker@uap.com](mailto:scott.baker@uap.com) if there are any questions or comments, or additional data needed regarding this submission.

Sincerely,

Scott Baker  
 Registration Manager

Enclosures