

72680-1

8-5-2002

1/13

See 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

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 72680-1	2. EPA Product Manager JAMES A TOMPKINS	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) VINE-X	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) UPM CORPORATION 28 GARRETT AVENUE ROSEMONT, PA 19010 <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 _____	NOTIFICATION AUG 05 2002 <i>new sticker</i>
<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.)
 INTENT TO PACKAGE 12 - AND 16-FL OZ APPLICATOR-CONTAINERS WITH 12 UNITS PER BOX. THESE WILL SERVE AS THE "BULK PACK" FOR THE PROFESSIONAL VEGETATION MANAGEMENT INDUSTRY.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (BULK PACK)	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted	If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		<input type="checkbox"/> Glass	<input checked="" type="checkbox"/> Paper
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 12 FL OZ and 16 FL OZ	5. Location of Label Directions <input checked="" type="checkbox"/> ON LABEL <input checked="" type="checkbox"/> ON LABEL ACCOMPANYING PRODUCT		
6. Manner in Which Label is Affixed to Product <input checked="" 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 ARTHUR M TOFANI III	Title VICE PRESIDENT	Telephone No. (include Area Code) (610) 525-6561
2. Signature <i>Arthur M Tofani III</i>		3. Title VICE PRESIDENT
4. Typed Name ARTHUR M TOFANI III		5. Date 25 JULY 2002
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.		6. Date Application Received (Stamped)

2/13

UPM Corporation

28 Garrett Avenue - Rosemont, PA 19010
Phone: 610-525-6561 Fax: 610-525-6562

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U. S. ENVIRONMENTAL PROTECTION AGENCY
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202-4501

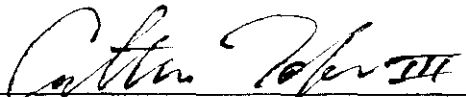
Subject: Vine-X Vine & Brush Control (EPA Reg. No. 72680-1)
Notification Letter: Intent to "bulk-pack" 12- and 16-fl oz containers with 12 units/package

NOTIFICATION SUBMISSION CERTIFICATION

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.

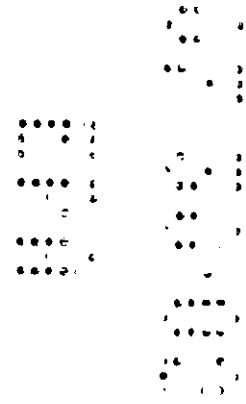
Certification signed on: July 25, 2002
Date

For: UPM Corporation

By: 
Arthur M. Tofani III
Vice President

NOTIFICATION
AUG 05 2002

cc: Arthur M. Tofani Jr., President
Alberto R. Quisumbing, PhD, Consultant, Technical Affairs



INDUSTRIAL BULK PACK (12 x 16 fl. oz.)

A ready-to-use herbicide for the control of vines, brush, and woody plants wherever spraying is not practical.

**Penetrating formula goes right through bark!
No risk to garden plants from overspray or mist!
Multi-seasonal - use at almost ANY time of year!
No wasted product - better value than sprays!**

NET CONTENTS
16
FL. OZ.

VINE-X™ VINE & BRUSH CONTROL

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.

To help avoid skin contact, wear non-porous rubber gloves when using this product or handling treated plants.

Do not apply this product in a way that will contact any person or animal.

Hold bottle upright and away from face. Unscrew overcap and lift straight up to remove. Twist valve counter-clockwise to open, then apply brush to area of stem or trunk nearest to ground, then squeeze bottle gently to start flow. Glide along in a steady motion to cover at least 6" to 12" of main stem or trunk up to 1/2 inch in diameter, and 6" more for every additional half-inch in diameter. Wet bark thoroughly but not to the point of runoff. Apply all the way around stem if possible, and treat all suckers and shoots. Keep children and animals away during use. Avoid rubbing or scrubbing applicator brush against plant stem. Keep bottle upright at all times, except when applying. Do not squeeze bottle excessively, and take care not to allow contents to drip onto ground or other plants. If dripping or contact occurs, isolate and remove affected area immediately. Product may be applied to foliage and cut stems, but do not allow to drip. Avoid contact with skin, eyes, or clothing; if such contact occurs, follow instructions under First Aid on label. After treatment, hold bottle upright. Twist valve stem clockwise to close, and wipe excess from applicator by brushing against stem or trunk. Keep applicator and valve stem clean. Replace overcap securely. Wash hands with soap and water after using this product or handling treated plants. See insert inside for additional information.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Packaged for:
UPM Corporation
Rosemont, PA 19010 USA
U. S. Patent Pending

NOTIFICATION
AUG 05 2002

Active Ingredient:	
Triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid, butoxyethyl ester	13.6%
Inert Ingredients	86.4%
Total	100.0%

EPA Reg. No. 72680-1

EPA Est. No. 071026-MI-001

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed; wear long-sleeved shirt and long pants, shoes and socks. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco, or going to the toilet.

FIRST AID

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: 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. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. You may contact 1-800-565-5568 for emergency medical treatment information.

Environmental Hazards

This product is toxic to fish. 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 when cleaning equipment or disposing of equipment wastewaters.

Physical or Chemical Hazards

Combustible: Do not store or use near heat or open flame. Do not smoke when using this product. Do not ship or store with food, feeds, drugs, or clothing.

Storage and Disposal

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

Storage: Store container upright, above 28°F, or agitate before use. Keep out of reach of children in a cool, dry area away from heat or open flame, with valve closed and overcap securely screwed down. Keep brush and valve stem clean. Discard product if overcap is lost, damaged, or otherwise inoperable. Discard if bottle is damaged in any way. Do not attempt to remove applicator or refill bottle.

Container Disposal: Dispose of empty container and cleaning materials in a secure trash receptacle. Do not contaminate water, food, or feeds by disposal.

WOODY PLANTS & VINES CONTROLLED

Vine-X will control most common invasive vine & brush species including: Ailanthus, Ash, Birch, Blackberry, Box Elder, Brazilian Pepper, Choke Cherry, Cottonwood, Elderberry, Elm, Honeysuckle, Kudzu, Locust, Mesquite, Mimosa, Oak, Parasitism, Poison Ivy, Poison Oak, Raspberry, Sassafras, Sweet Gum, Trumpet Creeper, Virginia Creeper, Wild Grape, Wild Rose, and more. See insert inside box for more extensive species controlled list.

RECOMMENDED COVERAGE AREA

Individual circumstances will vary, but under typical residential garden situations one bottle of Vine-X is recommended to control vines & brush over approximately 1/2 to 1 full acre of ground.

A CONSTANT PROBLEM

Nuisance vines and brush pests represent a constant threat to a well-ordered garden. When these weeds take root near valuable ornamental & vegetable plants, the problem can become even more difficult to handle. Spraying with conventional herbicides risks damage and injury to desirable flowers & shrubs through overspray, misting, and dripping, and may release an unnecessary amount of chemicals into your garden, while cutting them back simply invigorates their already aggressive pattern of growth. When situations like these arise, gardeners require a product specifically designed to resolve the problem without creating any new ones.

THE VINE-X SOLUTION

Used for years by vegetation control professionals, the herbicide in Vine-X is different from any other now in use. Unlike typical water-based sprays which must be applied over large areas of foliage to work effectively, Vine-X's unique herbicide is formulated in a special vegetable oil base which actually penetrates the water-proof outer layer of the bark of undesirable vines & brush pests. This means that it is no longer necessary to cover valuable plants or lawns to protect them from overspraying or dripping, nor is it required to cut or scrape the stems or trunks of every unwanted plant in order to make an effective application.

ZERO WASTE = MONEY SAVED!

Because Vine-X is applied by contact directly to the stem of a problem plant, virtually no product is lost through airborne transmission; while all sprays and foams waste some of their contents even when used properly. With Vine-X, all you use is what you need, no more. And that's all you pay for.

YEAR-ROUND USE

Vine-X's multi-seasonal use capability means that problem plants may be targeted even before foliage appears! This makes them much easier to find and treat, and avoids the risk of contact with toxic leaves of species like poison ivy and poison oak.

FOR MORE INFORMATION

To obtain more information about Vine-X, including Materials Safety Data Sheet, Frequently Asked Questions, extended species controlled list, and more, please visit our website at: www.vine-x.com.

DISCLAIMER

When used in strict accordance with manufacturer's specifications this product is reasonably fit for the purposes stated on the label. No other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty is made herein. The manufacturers, distributors, and license representatives of this product may not be held liable for damage or injury caused by misuse of this product, either accidental or deliberate. Purchaser assumes all responsibility for the proper use of this product after sale.

3/13

4/13

LABEL
APPLICATOR-CONTAINER
16-FL. OZ.

UPM
Corporation



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.

To help avoid skin contact, wear non-porous rubber gloves when using this product or handling treated plants

Do not use this product in a way that will contact any person or animal.

Hold bottle upright and away from face. Unscrew overcap and lift straight up to remove. Twist valve stem counterclockwise to open, apply brush to area of stem or trunk of unwanted plant nearest to ground, then squeeze bottle gently to start flow. Glide along in a steady motion to cover at least 6" to 12" of main stem or trunk up to one half inch in diameter, and 6" more for every additional half inch in diameter. Wet bark thoroughly, but not to the point of runoff. Apply all the way around stem if possible, and treat all suckers and shoots. Keep children and animals away during use. Avoid rubbing or scrubbing applicator brush against plant stem. Keep bottle upright at all times except when applying. Do not squeeze bottle excessively, and take care not to allow contents to run off or drip onto ground or other plants. If dripping or contact occurs, isolate and remove affected area immediately. Product may be applied to cut stumps, but do not allow to drip. Avoid contact with skin, eyes, or clothing. If such contact occurs, follow instructions under First Aid on rear label. After treatment, hold bottle upright. Twist valve stem clockwise to close, and wipe excess from applicator by brushing against stem or trunk. Keep applicator and valve stem clean. Replace overcap securely. Wash hands with soap and water after using this product or handling treated plants.

Active ingredients:

Trifluralin; 3,5,6-trichloro-2-pyridylmethoxyacetic acid, butylphenyl ester.....	13.8%
Inert ingredients.....	86.4%
Total	100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION: See rear panel for additional precautionary statements. **Net Contents: 16 FL. OZ.**

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed; wear long-sleeved shirt and long pants, shoes and socks. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco, or going to the toilet.

First Aid

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: 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.

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

Note to Physicians: Possible mucosal damage may contraindicate the use of gastric lavage. You may contact 1-800-565-5588 for emergency medical treatment information.

Environmental Hazards

This product is toxic to fish. 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 when cleaning equipment or disposing of equipment washwaters.

Physical or Chemical Hazards

Combustible: Do not store or use near heat or open flame. Do not smoke when using this product. Do not store with food, feeds, drugs, or clothing.

Storage and Disposal

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

Storage: Store container upright, above 28°F, or agitate before use. Keep out of reach of children in a secure area away from heat or open flame, with valve closed and overcap securely screwed down. Keep brush and valve stem clean. Discard product if overcap is lost, damaged, or otherwise inoperable. Discard if bottle is damaged in any way. Do not attempt to remove applicator or to refill bottle.

Container Disposal: Dispose of empty container and cleaning materials in a secure trash receptacle. Do not contaminate water, food, or feeds by disposal.

DISCLAIMER

When used in strict accordance with manufacturer's specific instructions, this product is reasonably fit for the purposes stated on the label. No other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty is made herein. The manufacturer, distributor, and licensed representatives of this product may not be held liable for damage or injury caused by misuse of this product, either accidental or deliberate. Purchaser assumes all responsibility for the proper use of this product after sale.

UPM Corporation
28 Garret Ave.
Rosemont, PA 19010
Website: www.vine-x.com

EPA Reg. No. 72680-1
EPA Est. 031923-MI-001
U.S. Patent Pending

INDUSTRIAL BULK PACK (12 x 12 fl. oz.)

A ready-to-use herbicide for the control of vines, brush, and woody plants wherever spraying is not practical.

**Penetrating formula goes right through bark!
No risk to garden plants from overspray or mist!
Multi-seasonal - use at almost ANY time of year!
No wasted product - better value than sprays!**



Active Ingredient:	
Triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid, butoxyethyl ester	13.6%
Inert Ingredients	86.4%
Total	100.0%

EPA Reg. No. 72680-1

EPA Est. No. 071026-MI-001

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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FIRST AID

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: 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. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. You may contact 1-800-565-5568 for emergency medical treatment information.

Environmental Hazards

This product is toxic to fish. 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 when cleaning equipment or disposing of equipment wastewaters.

Physical or Chemical Hazards

Combustible: Do not store or use near heat or open flame. Do not smoke when using this product. Do not ship or store with food, feeds, drugs, or clothing.

Storage and Disposal

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

Storage: Store container upright, above 28°F, or agitate before use. Keep out of reach of children in a cool, dry area away from heat or open flame, with valve closed and overcap securely screwed down. Keep brush and valve stem clean. Discard product if overcap is lost, damaged, or otherwise inoperable. Discard if bottle is damaged in any way. Do not attempt to remove applicator or refill bottle.

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WOODY PLANTS & VINES CONTROLLED

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RECOMMENDED COVERAGE AREA

Individual circumstances will vary, but under typical residential garden situations one bottle of Vine-X is recommended to control vines & brush over approximately 1/2 to 1 full acre of ground.

A CONSTANT PROBLEM

Nuisance vines and brush pests represent a constant threat to a well-ordered garden. When these weeds take root near valuable ornamental & vegetable plants, the problem can become even more difficult to handle. Spraying with conventional herbicides risks damage and injury to desirable flowers & shrubs through overspray, misting, and dripping, and may release an unnecessary amount of chemicals into your garden, while cutting them back simply invigorates their already aggressive pattern of growth. When situations like these arise, gardeners require a product specifically designed to resolve the problem without creating any new ones.

THE VINE-X SOLUTION

Used for years by vegetation control professionals, the herbicide in Vine-X is different from any other now in use. Unlike typical water-based sprays which must be applied over large areas of foliage to work effectively, Vine-X's unique herbicide is formulated in a special vegetable oil base which actually penetrates the water-proof outer layer of the bark of undesirable vines & brush pests. This means that it is no longer necessary to cover valuable plants or lawns to protect them from overspraying or dripping, nor is it required to cut or scrape the stems or trunks of every unwanted plant in order to make an effective application.

ZERO WASTE - MONEY SAVED!

Because Vine-X is applied by contact directly to the stem of a problem plant, virtually no product is lost through airborne transmission; while all sprays and foamers waste some of their contents even when used properly. With Vine-X, all you use is what you need, no more. And that's all you pay for.

YEAR-ROUND USE

Vine-X's multi-seasonal use capability means that problem plants may be targeted even before foliage appears! This makes them much easier to find and treat, and avoids the risk of contact with toxic leaves of species like poison ivy and poison oak.

FOR MORE INFORMATION

To obtain more information about Vine-X, including Materials Safety Data Sheet, Frequently Asked Questions, extended species controlled list, and more, please visit our website at www.vine-x.com.

DISCLAIMER

When used in strict accordance with manufacturer's specifications this product is reasonably fit for the purposes stated on the label. No other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty is made herein. The manufacturer, distributors, and licensed representatives of this product may not be held liable for damage or injury caused by misuse of this product, either accidental or deliberate. Purchaser assumes all responsibility for the proper use of this product after sale.

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.

To help avoid skin contact, wear non-porous rubber gloves when using this product or handling treated plants.

Do not apply this product in a way that will contact any person or animal.

Hold bottle upright and away from face. Unscrew overcap and lift straight up to remove. Twist valve counter-clockwise to open, then apply brush to area of stem or trunk nearest to ground, then squeeze bottle gently to start flow. Glide along in a steady motion to cover at least 6" to 12" of main stem or trunk up to 1/2 inch in diameter, and 6" more for every additional half-inch in diameter. Wet bark thoroughly but not to the point of runoff. Apply all the way around stem if possible, and treat all suckers and shoots. Keep children and animals away during use. Avoid rubbing or scrubbing applicator brush against plant stem. Keep bottle upright at all times, except when applying. Do not squeeze bottle excessively, and take care not to allow contents to drip onto ground or other plants. If dripping or contact occurs, isolate and remove affected area immediately. Product may be applied to foliage and cut stems ~~but do not allow to drip~~. Avoid contact with skin, eyes, or clothing; if such contact occurs, follow instructions under First Aid on label. After treatment, hold bottle upright. Twist valve stem clockwise to close, and wipe excess from applicator by brushing against stem or trunk. Keep applicator and valve stem clean. Replace overcap securely. Wash hands with soap and water after using this product or handling treated plants. See insert inside for additional information.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Packaged for:
UPM Corporation
Rosemont, PA 19010 USA
U. S. Patent Pending

5/13

6/13

LABEL
APPLICATOR CONTAINER
12- FL. OZ.



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.

To help avoid skin contact, wear non-porous rubber gloves when using this product or handling treated plants

Do not use this product in a way that will contact any person or animal.

Hold bottle upright and away from face. Unscrew overcap and lift straight up to remove. Twist valve stem counterclockwise to open, apply brush to area of stem or trunk of unwanted plant nearest to ground, then squeeze bottle gently to start flow. Glide along in a steady motion to cover at least 6" to 12" of main stem or trunk up to one half inch in diameter, and 6" more for every additional half inch in diameter. Wet bark thoroughly, but not to the point of runoff. Apply all the way around stem if possible, and treat all suckers and shoots. Keep children and animals away during use. Avoid rubbing or scrubbing applicator brush against plant stem. Keep bottle upright at all times except when applying. Do not squeeze bottle excessively, and take care not to allow contents to run off or drip onto ground or other plants. If dripping or contact occurs, isolate and remove affected area immediately. Product may be applied to cut stems, but do not allow to drip. Avoid contact with skin, eyes, or clothing. If such contact occurs, follow instructions under First Aid on rear label. After treatment, hold bottle upright. Twist valve stem clockwise to close, and wipe excess from applicator by brushing against stem or trunk. Keep applicator and valve stem clean. Replace overcap securely. Wash hands with soap and water after using this product or handling treated plants.

Active ingredient:

Tifluepyr, 3,5,6-trichloro-2-pyridinyloxyacetic acid, butoxyethyl ester.....	13.6%
Inert ingredients.....	86.4%
Total	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION: See rear panel for additional precautionary statements.

Net Contents: 12 FL. OZ.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed; wear long-sleeved shirt and long pants, shoes and socks. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco, or going to the toilet.

First Aid

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: 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.

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

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. You may contact 1-800-565-5568 for emergency medical treatment information.

Environmental Hazards

This product is toxic to fish. 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 when cleaning equipment or disposing of equipment washwaters.

Physical or Chemical Hazards

Combustible: Do not store or use near heat or open flame. Do not smoke when using this product. Do not ship or store with food, feeds, drugs, or clothing.

Storage and Disposal

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

Storage: Store container upright, above 28°F, or agitate before use. Keep out of reach of children in a secure area away from heat or open flame, with valve closed and overcap securely screwed down. Keep brush and valve stem clean. Discard product if overcap is lost, damaged, or otherwise inoperable. Discard if bottle is damaged in any way. Do not attempt to remove applicator or to refill bottle.

Container Disposal: Dispose of empty container and cleaning materials in a secure trash receptacle. Do not contaminate water, food, or feeds by disposal.

DISCLAIMER

When used in strict accordance with manufacturer's specified instructions this product is reasonably fit for the purposes stated on the label. No other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty is made herein. The manufacturer, distributors, and licensed representatives of this product may not be held liable for damage or injury caused by misuse of this product, either accidental or willful. Purchaser assumes all responsibility for the proper use of this product after sale.

UPM Corporation 28 Garnet Ave. Rosemont, PA 19010 Website: www.vine-x.com	EPA Reg. No: 72380-1 EPA Est: 071028-AI-001 U.S. Patent Pending
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NOTIFICATION
AUG 05 2002



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.

To help avoid skin contact, wear non-porous rubber gloves when using this product or handling treated plants.

Do not use this product in a way that will contact any person or animal.

Hold bottle upright and away from face. Unscrew overcap and lift straight up to remove. Twist valve stem counterclockwise to open, apply brush to area of stem or trunk of unwanted plant nearest to ground, then squeeze bottle gently to start flow. Glide along in a steady motion to cover at least 6" to 12" of main stem or trunk up to one half inch in diameter, and 6" more for every additional half inch in diameter. Wet bark thoroughly, but not to the point of runoff. Apply all the way around stem if possible, and treat all suckers and shoots. Keep children and animals away during use. Avoid rubbing or scrubbing applicator brush against plant stem. Keep bottle upright at all times except when applying. Do not squeeze bottle excessively, and take care not to allow contents to run off or drip onto ground or other plants. If dripping or contact occurs, isolate and remove affected area immediately. Product may be applied to cut stems, but do not allow to drip. Avoid contact with skin, eyes, or clothing. If such contact occurs, follow instructions under First Aid, below. After treatment, hold bottle upright. Twist valve stem clockwise to close, and wipe excess from applicator by brushing against stem or trunk. Keep applicator and valve stem clean. Replace overcap securely. Wash hands with soap and water after using this product or handling treated plants.

Table with 2 columns: Active Ingredient, Inert Ingredients, Total. Rows include Triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid, butoxyethyl ester (13.6%), Inert Ingredients (86.4%), Total (100.0%).

Keep Out Of Reach Of Children

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed; wear long-sleeved shirt and long pants, shoes and socks. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco, or going to the toilet.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: 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.

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

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. You may contact 1-800-565-5568 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. 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 when cleaning equipment or disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Combustible: Do not store or use near heat or open flame. Do not smoke when using this product. Do not ship or store with food, feeds, drugs, or clothing.

STORAGE AND DISPOSAL

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

Storage: Store container upright, above 28° F, or agitate before use. Keep out of reach of children in a cool, dry area away from heat or open flame, with valve closed and overcap securely screwed down. Keep brush and valve stem clean. Discard product if overcap is lost, damaged, or otherwise inoperable. Discard if bottle is damaged in any way. Do not attempt to remove applicator or to refill bottle.

Container Disposal: Dispose of empty container and cleaning materials in a secure trash receptacle. Do not contaminate water, food, or feeds by disposal.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including unfavorable environmental and/or climatic conditions noted herein), the presence of other materials, the manner of application, or other factors, all of which are beyond the control of this product's manufacturers and licensed representatives. All such risks shall be assumed by the buyer.

DISCLAIMER

When used in strict accordance with the manufacturer's specifications this product is reasonably fit for the purposes stated on the label, subject to the inherent risks of use set forth above. No other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty is made herein. The manufacturers, distributors, and licensed representatives of this product may not be held liable for damage or injury caused by misuse of this product, either accidental or deliberate. Purchaser assumes all responsibility for the proper use of this product after sale.

LIMITATION OF REMEDIES

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories) shall be limited to, at the manufacturer's election, one of the following:

- 1. Refund of the purchase price paid by buyer for product bought, or;
2. Replacement of amount of product used

The terms of the "Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or agent of the manufacturers or licensed representatives is authorized to vary or exceed the terms of the "Disclaimer" or this "Limitation of Remedies" in any manner.

IMPORTANT: The herbicide in Vine-X is designed to kill virtually any plant it contacts. Do not apply this product in situations where contact with valuable plants may occur. This is a post-emergent product. Do not apply to soil; product will not prevent growth from seeds or spores. This product is toxic to fish. Do not use near lakes, ponds, ornamental pools, or streams. Avoid contact with lawns or turf; damage may result. Follow all instructions carefully.

METHOD OF ACTIVATION

The herbicide in Vine-X is a systemic type, formulated in vegetable oil to penetrate the waterproof outer layer of the bark of unwanted vines & shrubs. Once absorbed it travels to the root, where the active ingredient disrupts the growth process by affecting enzymes unique to plant life. This product does not have the same effect on humans, animals, or insects, but is toxic to fish.

STANDARD (BASAL STEM) APPLICATION

Refer to DIRECTIONS FOR USE for basic operation. Apply to at least 6" to 12" of the basal (nearest to the ground) area of the stem or trunk of unwanted vines or shrubs up to 1/2 inch in diameter, and 6" more for every additional half inch in diameter. Always exercise caution and wear protective gloves when performing this action. If basal area is not accessible product may be applied further away from this section, but increase the size of the treatment area. If applying about halfway up the plant, double the application area. Be advised that the degree of control achieved may be proportionally reduced the further from the root area that Vine-X is applied. If applying away from the root, wait until 100% of foliage is affected before removing plant.

CUT STEM APPLICATION

If desired, Vine-X may be used as a cut stem treatment with highly efficient results. Make the cut about 6" from the ground. Apply to entire cut area, and all around sides down to the ground. Wet surface thoroughly, but not to the point of runoff onto the ground. Always exercise caution and wear protective gloves when performing this action. Although cutting the stem is not necessary for proper application, certain situations may make it more desirable to remove nuisance foliage immediately. Unless these situations occur, plants treated with Vine-X should be left uncut until at least 75% of the foliage has shown signs of distress. NOTE: Certain hardwood tree species may be resistant to cut stem applications made during the late autumn when sap flow occurs. Avoid cut stem applications for such species during this time of year.

EVAPORATION - NEARBY FOLIAGE

Due to evaporation following application, foliage of other plants which is located close (3" - 6") to the area of treatment may experience slight wilting. This is not usually fatal to other plants, but can be unsightly. To help avoid such reactions either apply Vine-X in late winter before valuable foliage appears, or confine application to areas at least 12" distant from any valuable foliage, flowers, or groundcover.

PARASITIC VINES

To treat a parasitic vine that is in contact with a host tree or other surface, apply to the exposed part of the vine near to ground. If possible, separate portion to be treated from contact with host plant. Do not allow herbicide to leak or bleed onto stem of valuable hosts. If the vine cannot be separated from the host tree, leave a small "buffer zone" untreated wherever the vine and host make contact. Note: larger host trees with thicker bark are less vulnerable to incidental contact with Vine-X than smaller, younger host trees.

POISON IVY VINES

The hairy fibers present on the stems of larger, established poison ivy vines have the property of shedding liquids efficiently, which tends to interfere with proper treatment procedures. For this reason it is recommended either to apply Vine-X to areas of the vine where fibers are not present (so-called "bald spots"), or to press the applicator brush gently into the fibers and apply mild pressure to the bottle in order to apply product to the stem of the vine. Always exercise caution and wear protective gloves when performing this action. Always separate such vines from the host tree to avoid accidental contact, unless separation is not possible (see above).

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RESULT OBSERVATION TIME

Vine-X works by entering the system of plants through the stem; only after this occurs will the foliage begin to show signs of distress. For this reason it typically takes slightly longer to see results than with sprays applied to foliage. Results may usually be observed within several days following treatment. Dormant plants may not show evidence of control until after leaf-out period. Climatic conditions such as drought or delayed season change may extend result observation period. The size and species of plant are other qualifying factors.

ACCIDENTAL PLANT CONTACT

If contact with valuable plants occurs inadvertently, isolate and remove the affected area of the valuable plant immediately, in order to prevent travel of the herbicide to the root. Minor, incidental contact with treated portions of plants will not usually result in fatal damage to other plants, but may cause wilting or discoloration of foliage or flowers.

DISPOSAL OF TREATED PLANTS

If desired, treated plants may be cut down and discarded after at least 75% of the foliage has shown signs of distress. Always exercise caution and wear protective gloves when handling treated plants. Dispose of the treated portions in a secure trash receptacle. Do not mulch or burn the treated portions of plants.

ADVERSE APPLICATION CONDITIONS

The herbicide in Vine-X acts by traveling through the capillary system of plants down to the root. Environmental or climatic conditions which tend to impede the normal activity of this system may adversely affect the degree of control achieved. Drought or inadequate rainfall may reduce fluid movement within the plant, and excessive sap flow in certain hardwood species during late autumn may inhibit effectiveness of this product. The herbicide in Vine-X has an activity duration period of approximately 30 to 60 days. Adverse conditions which persist beyond this time may mandate additional treatments after those conditions have ceased.

ROOT TRAVEL

Upon application, the herbicide in Vine-X "locks in" to the structure of the plant and travels to the root by moving through the capillary system. It has not been shown to travel through the soil from one root system to another, but will affect other plants which share common roots.

RESIDUAL ACTIVITY PERIOD

Because the herbicide in Vine-X is multi-seasonal, it has been formulated with an activity duration period of approximately 30 to 60 days. This extended period of activity is needed to effectively control problem vegetation prior to and immediately following periods of dormancy in late autumn and early spring.

ACCIDENTAL SPILLS

In the event that the herbicide in Vine-X is accidentally discharged onto the ground, isolate and remove the wet soil immediately, place in a plastic bag, seal, and discard in a secure trash receptacle. Always wear protective gloves when performing this action.

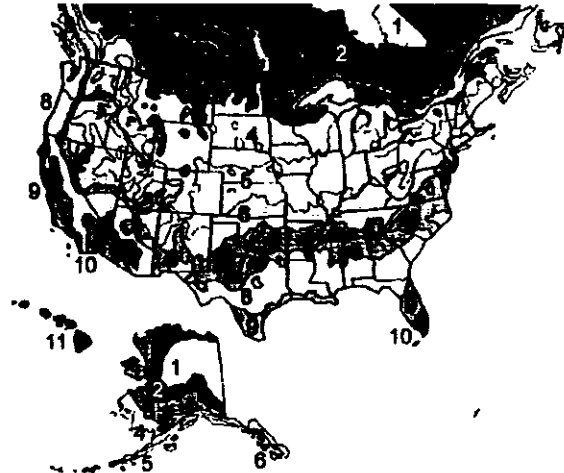
SOIL CONTACT DEACTIVATION

The herbicide in Vine-X will remain active within the structure of a plant for approximately 30 to 60 days, but upon coming into contact with the ground the herbicide's activity will be neutralized. However, if a large quantity of herbicide is accidentally released and penetrates soil deep enough to contact plant tissue, damage to that plant may result. Always use with caution, and follow the procedures for cleaning up accidental spills (see above).

APPLICATION TIMES - ZONES

Vine-X is a multi-seasonal product that may be applied even when foliage is not yet present. Applications may be made as early as late winter in order to prevent new growth in the spring, and may be continued until late autumn, when plant initiates dormancy. In trees and shrubs with excessive fall sap flow, effectiveness may be diminished. To determine the proper time of year for use, consult the USDA Plant Hardiness Zone Chart:

ZONE 1: below -50°F	ZONE 7: 0° to 10°
ZONE 2: -50° to -40°	ZONE 8: 10° to 20°
ZONE 3: -40° to -30°	ZONE 9: 20° to 30°
ZONE 4: -30° to -20°	ZONE 10: 30° to 40°
ZONE 5: -20° to -10°	ZONE 11: above 40°
ZONE 6: -10° to 0°	(HI, PR, USVI, Guam)



For Zones 1 - 3: apply from March through September.
For Zones 4 - 6: apply from February through October.
For Zones 7 - 9: apply from February through November.
For Zones 10 & 11: apply any time of year.

COVERING / CREEPING VINES

Certain vine species such as kudzu, most creepers, Mes, etc. tend to attack their hosts by covering or blanketing them with foliage. Due to their structure and method of propagation, these plants may take longer periods of time to evidence signs of distress after treatment. Vine-X should be applied to the rooted areas of these vines only. For best results, the vine should be left intact until at least 75% of the foliage has shown signs of distress. After this has been observed, the covering foliage may then be cut away and removed.

GROUND INFESTATIONS

Vine-X has been developed specifically for the control of nuisance vines and weed shrubs in situations where spraying is either inappropriate or impossible. However, conditions may arise in which weeds controllable by Vine-X tend to propagate themselves over large areas of ground in such a manner that it becomes inordinately difficult to locate and treat all of the multiple rooted parts of these plants. In conditions like these, it may be preferable to utilize alternative products which are designed for application to large infested areas. Do not attempt to spray or stream Vine-X from the container to treat ground infestations.

WOODY PLANTS AND VINES CONTROLLED

Vine-X is recommended for the control of most common invasive types of vines, brush, and small trees. When applied as directed under appropriate conditions Vine-X is considered effective against such species, including (but not limited to) the following:

Ailanthus	Hercules club	Olive, autumn
Alder, red	Hickory, mocknut	Olive, Russian
Alder, speckled	Hickory, pignut	Persimmon
Ash, green	Honeylocust	Pine, jack
Ash, white	Honeysuckle	Pine, loblolly
Aspen*	Hornbeam	Pine, ponderosa
Australian pine	Kudzu	Pine, red
Basswood	Locust, black*	Pine, white
Beech, American	Madrone, Pacific	Poison ivy
Birch, black	Manzanita, greenleaf	Poison oak
Birch, gray	Maple, bigleaf*	Poplar, balsam
Bittersweet	Maple, mountain	Raspberry
Blackberry	Maple, red	Redcedar, eastern
Black Locust	Maple, silver	Salt cedar*
Blackgum	Maple, striped	Sassafras*
Boxelder	Maple, sugar,	Sumac, smooth*
Brazilian pepper	Maple, vine	Sumac, staghorn*
Cherry, black*	Mesquite*	Sweetgum
Cherry, choke	Mimosa	Sycamore
Cherry, pin	Mountain laurel	Tamarack
Cottonwood	Mulberry	Tanoak
Dogwood, flowering	Oak, black*	Trumpet creeper
Dogwood, red-osier	Oak, blackjack*	Virginia creeper
Elderberry	Oak, chestnut	Walnut
Elm*	Oak, post*	Waxmyrtle
Gallberry	Oak, red	Wild Grape
Guava	Oak, scarlet	Wild Rose
Hackberry	Oak, water	Willow
Hazel	Oak, white	Yaupon

*Effective for suppression, some resprouting may occur. May require repeat applications to achieve full control.

TREATMENT EXCEPTIONS

Vine-X is not recommended for use against herbaceous pest plants, grasses, or aquatic pest plants. Vine-X should not be used to treat problem reed plants such as bamboo, cattail, or phragmites. Weeds such as dandelion, crabgrass, chickweed, ground ivy, or other lawn pests should not be treated with Vine-X.

PROPRIETARY & REGULATORY INFORMATION

Packaged for:
UPM Corporation
28 Garrett Ave.
Rosemont, PA 19010
USA
1-888-660-8674 (Toll Free)

EPA Reg. No: 72680-1
EPA Est: 071028-MI-001

U.S. Patent Pending

For immediate access to more information about Vine-X, including downloadable Materials Safety Data Sheet (MSDS), Frequently Asked Questions (FAQ), and sales information, please visit the Vine-X website at: www.vine-x.com

KEEP OUT OF REACH OF CHILDREN

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MATERIAL SAFETY DATA SHEET

UPM Corporation

Effective Date: 01/01/02

VINE-X™ VINE & BRUSH CONTROL

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1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: VINE-X VINE & BRUSH CONTROL

COMPANY IDENTIFICATION:

UPM Corporation
28 Garrett Ave.
Rosemont, PA 19010

INGESTION: Single dose oral toxicity is low. The oral LD₅₀ for rats was 2389 mg/kg (males) and 1000 mg/kg (females). Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. If aspirated (liquid enters the lung), may cause lung damage or even death due to chemical pneumonia.

INHALATION: The LC₅₀ for rats is >5.0 mg/L for 4 hours. Excessive exposure may cause irritation to upper respiratory tract and lungs. Signs and symptoms of excessive exposure may be central nervous system, anesthetic, and/or narcotic effects.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: For triclopyr butoxyl ethyl ester, in animals, effects have been reported on the following organs: blood, kidney and liver.

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Triclopyr (3,5,6-trichloro-2-pyridinyl) oxy acetic acid, butoxyethyl ester	CAS# 064700-56-7	13.6%
Inert Ingredients, Total, including: Proprietary Solvent		86.4%

CANCER INFORMATION: Triclopyr butoxyethyl ester did not cause cancer in long-term animal studies.

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR) 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

TERATOLOGY (BIRTH DEFECTS): For triclopyr butoxyethyl ester, birth defects are unlikely. Exposures having no effect on the mother should have no effect on the fetus. Did not cause birth defects in animals; other effects were seen in the fetus only at doses which caused toxic effects to the mother.

3. HAZARDOUS IDENTIFICATIONS:

EMERGENCY OVERVIEW

Hazardous Chemical. Yellow to amber liquid. May cause eye and skin irritation. LD₅₀ for skin absorption in rabbits is >2000 mg/kg. Oral LD₅₀ for rats is 2389 mg/kg (males) and 1000 mg/kg (females). LC₅₀ for rats is >5.0 mg/L for 4 hours. Toxic to aquatic organisms.

EMERGENCY PHONE NUMBER: 1-800-565-5568

REPRODUCTIVE EFFECTS: For triclopyr butoxyethyl ester, in laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals.

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects which could occur if this material is not handled in the recommended manner.

4. FIRST AID:

EYE: May cause slight transient (temporary) eye irritation. Corneal injury is unlikely. Vapors may irritate eyes.

EYES: Flush eyes with plenty of water

SKIN: Prolonged exposure may cause skin irritation. Repeated exposure may cause some irritation, even a burn. Repeated contact may cause drying or flaking of skin. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts. The LD₅₀ for skin absorption in rabbits is >2000 mg/kg. Did not cause allergic skin reactions in guinea pigs.

SKIN: Wash off in flowing water or shower

INGESTION: Do not induce vomiting. Call a physician and/or transport to emergency facility immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

NOTIFICATION

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MATERIAL SAFETY DATA SHEET

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VINE-X™ VINE & BRUSH CONTROL

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NOTE TO PHYSICIAN: The decision of whether to induce vomiting or not should be made by an attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

5. FIRE FIGHTING MEASURES:

FLASH POINT: 350°F, 177°C
METHOD USED: SFCC

FLAMMABLE LIMITS

LFL: Not determined
UFL: Not determined

EXTINGUISHING MEDIA: Water, fog, foam.

FIRE & EXPLOSION HAZARDS: May emit toxic, irritating vapors if involved in a fire

FIRE-FIGHTING EQUIPMENT: Use positive pressure self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES:

ACTION TO TAKE FOR SPILLS/LEAKS: Dike large spills. Keep out of streams and domestic water supplies. Absorb small spills in inert material such as dry sand. Eliminate all ignition sources.

7. HANDLING AND STORAGE:

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep out of reach of children. Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Read the product label for personal protective equipment requirements. Store container upright and away from heat or open flame in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

These precautions are suggested for conditions where a potential for exposure exists. Emergency conditions may require additional precautions.

EXPOSURE GUIDELINE(S):

3,5,6-trichloro-2-pyridinyloxyacetic acid, Butoxyethyl ester. Recommended industrial hygiene guideline is 2mg/m³ as acid equivalent, Skin.

A "skin" notation following the exposure guideline refers to the potential for dermal absorption of the material. It is intended to alert the reader that inhalation may not be the only route of exposure and that measures to minimize dermal exposures should be considered.

ENGINEERING CONTROLS: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guideline.

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guideline. When respiratory production is required for certain operations, use a NIOSH approved air-purifying respirator.

SKIN PROTECTION: When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material. Selection of specific items such as faceshield, gloves, boots, apron or full-body suite will depend on operation.

EYE/FACE PROTECTION: Use safety glasses. If vapor exposure causes eye discomfort, use a NIOSH approved full-face respirator.

APPLICATORS AND ALL OTHER HANDLERS: Please refer to the product label for personal protective clothing and equipment recommendations.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

BOILING POINT: 425°F (218.5°C) @ 20mmHg
VAPOR PRESSURE: Not established
VAPOR DENSITY: Not Determined
SOLUBILITY IN WATER: Insoluble
SPECIFIC GRAVITY: 0.920 at 20°C (68°F)
APPEARANCE: Yellow to amber liquid
ODOR: Minimal
FREEZING POINT: -10°C, 13°F

10. STABILITY AND REACTIVITY:

STABILITY: (CONDITIONS TO AVOID) Stable under normal storage and handling conditions. Product will burn; keep away from heat and open flame.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) Acids, bases, and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, nitrogen oxides, hydrogen chloride, and phosgene may be formed if product is involved in fire.

HAZARDOUS POLYMERIZATION: Not known to occur.

11. TOXICOLOGICAL INFORMATION:

MUTAGENICITY: For triclopyr butoxyethyl ester, in-vitro and animal mutagenicity studies were negative.

12. ECOLOGICAL INFORMATION:

ENVIRONMENTAL DATA

MOVEMENT & PARTITIONING:

Based largely or completely on information for triclopyr butoxyethyl ester.
Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).

DEGRADATION & PERSISTENCE:

Based largely or completely on information for triclopyr butoxyethyl ester.
Based on the stringent test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.
The photolysis half-life in water is 6.6 days.

ECOTOXICOLOGY:

Based largely or completely on information for triclopyr butoxyethyl ester.
Material is highly toxic to aquatic organisms on an acute basis (LC₅₀/EC₅₀ between 0.1 and 1 mg/L in most sensitive species).

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHOD: Pesticide which cannot be used according to label instructions must be disposed of according to applicable federal, state, or local procedures.

14. TRANSPORT INFORMATION:

For DOT regulatory information, if required, consult transportation regulations, product shipping papers or consult your UPM Corporation representative.

15. REGULATORY INFORMATION:

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.

U.S. REGULATIONS

SARA 313 INFORMATION: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

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MATERIAL SAFETY DATA SHEET

UPM Corporation

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VINE-X™ VINE & BRUSH CONTROL

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SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

- An immediate health hazard
- A delayed health hazard

TOXIC SUBSTANCES CONTROL ACT (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

STATE RIGHT-TO-KNOW: This product is not known to contain any substances subject to the disclosure requirements of:

- New Jersey
- Pennsylvania

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

Category	Rating
Health	1
Flammability	1
Reactivity	0

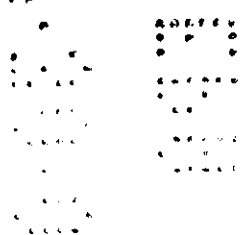
COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA, or SUPERFUND): To the best of our knowledge, this product contains no chemical subject to reporting under CERCLA.

16. OTHER INFORMATION:

MSDS STATUS: Replaces MSDS date 01/01/01.

EPA Registration Number: 72680-1

The Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied, Is Made. Consult UPM Corporation For Further Information.



UPM Corporation

28 Garrett Avenue - Rosemont, PA 19010
Phone: 610-525-6561 Fax: 610-525-6562

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July 25, 2002

U. S. Environmental Protection Agency
OPP, Registration Division (7505C)
Attn: Mr. James A. Tompkins (PM 25)
Room 266, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Subject: Vine-X Vine & Brush Control (EPA Reg. No. 72680-1)
Notification Letter: Intent to "bulk-pack" 12- and 16-fl oz containers with 12 units/package

Dear Mr. Tompkins:

We respectfully submit a completed EPA Form 8570-1 notifying the Agency that we intend to market both 12-fl. oz. and 16-fl. oz containers of our subject Vine-X product as a "bulk-pack" with twelve (12) of the containers in one package or box. This Vine-X "industrial bulk-pack" is intended for the vegetation management industrial market.

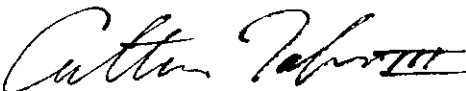
Each bulk-pack will consist of 12 individually labeled applicator-containers; one complete directions insert; and one Material Safety Data Sheet (MSDS), inside a case bearing the EPA-accepted box label with the appropriate contents information. Copies of these items are enclosed for your convenience.

Please note that except for the bulk-pack's appropriate content and volume information, the Vine-X formulation, label use directions and precautionary statements will remain the same. The Notification Submission Certification is attached as a separate page. Please return the enclosed stamped, self-addressed postcard to inform us of the acceptance of this notification.

Thank you for your kind attention to this matter. If there are any questions, please contact me at (610) 525-6561.

Sincerely,

UPM Corporation



Arthur M. Tofani III
Vice President

cc: Arthur M. Tofani Jr., President
Alberto R. Quisumbing, PhD, Consultant, Technical Affairs

Encl. EPA Form 8570-1/Notification
Notification Submission Certification
Notification Acceptance Postcard
Product labeling for container, insert and case
Material Safety Data Sheet

