DATEMAN ISSUANCE, 171 62719-261 EPA REGISTRATION NO. US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS PJ 4 13 REGISTRATION DIVISION (75-767) TERM OF ISSUANCE WASHINGTON, DC 20460 NAME OF PESTICIDE PRODUCT NOTICE OF PESTICIDE: REGISTRATION REREGISTRATION Mr. 202 Barbicide (Under the Federal Insecticide, Fungicide, and Rodenticide Act, us amended) NAME AND ADDRESS OF REGISTRANT (Include ZIP code) Net Flance 9730 %ionsville 38. Indianapolis, IN 46264 NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number. On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act. A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith. Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the unvironment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others. (i) A second of the second 1. Submit/city all data required for registration/ and the stage of the support to the stage of 2. Take the libeding element librar before you get a 1 or the problem tot shipmens: . Add the physic forms of afterstice the G2719-2618 d. Surrit dis (5) copies of your finel printer likeling a fore may refer an the product for all amount. of these confictions are not complied with, this registriation will be subject to seen floring in some impossion with FIRMS on the control of the subject to the control of the control The first of the second of the second BEST AVAILABLE COP ATTACHMENT IS APPLICABLE SIGNATURE OF APPROVING OFFICIAL EPA Form 8570-6 (Rev. 5-76) PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

XL\* 2GR

EPA Reg. No. 62719-XXX-

Subregistrant Label: Proposed labeling for retail product for homeowner use.

\*Trademark of DowElanco

Product Label

## DowElanco KL\* 2GR

#### Contains Surflan\*

XL 2GR is an easy-to-use herbicide. XL 2GR stops unsightly weeds and weed grasses BEFORE they start to grow in your established ornamental shrubs, flower beds and warm-season lawn grasses around your home. Used according to label directions, XL 2GR provides effective weed control all season long -- and gives your landscape that neat and clean look.

#### XL 2GR controls weeds in the following areas:

- Landscape ornamental trees and shrubs
- Ornamental ground covers
- Established flower beds
- Ornamental bulbs

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- Established warm season turfgrasses including:
  - bermudagrass
     buffalograss
     centipedegrass
  - St. Augustinegrass
     zoysiagrass
- bahiagrass

tall fescue

#### **Active Ingredients:**

benefin: N-butyl-N-ethyl-a,a,a-trifluoro-2,6-dintro-p-toluidine	1.0%
oryzalin: 3,5-dinitro-N <sup>4</sup> ,N <sup>4</sup> -dipropylsulfanilamide	1.0%
Inert Ingredients	98.0%
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Contains \_\_lb of active ingredient per \_\_lb bag

## Keep Out of Reach of Children

#### CAUTION

Causes Eye Irritation - Harmful if Swallowed, Inhaled, or Absorbed through the Skin

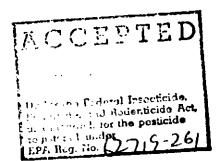
See back panel for additional Precautionary Statements and First Aid, and Directions For Use, including Storage and Disposal

EPA Est. No.

\*Trademark of DowElanco

Read all directions carefully before using this product.

## Herbicide



Net Weight \_ lb

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#### Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with labeling. Read all directions carefully before using this product.

Not for use on plants grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

#### WHAT IS XL 2GR?

XL 2GR is a pre-emergence herbicide applied to the soil surface to prevent the growth of undesirable weeds and grasses. Simple for homeowner use, XL 2GR forms a protective "barrier" in the soil surface which prevent weeds from emerging.

#### WHAT WEEDS DOES XL 2GR CONTROL?

Used properly, XL 2GR controls the following broadleaf weeds and weed grasses:

#### **Broadleaf Weeds**

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bittercress
carpetweed
coast fiddleneck
common chickweed
common groundsel
common purslane

desert rockpurslane Florida pusley

henbit lambsquarters London rocket

pigweeds

prostrate knotweed prostrate spurge puncturevine redstem filaree shepherdspurse whitestem filaree

yellow woodsorrel (oxalis)

#### **Weed Grasses**

annual bluegrass barnyardgrass brachiaria

browntop panicum

crabgrasses crowfootgrass fall panicum

foxtails

field sandbur goosegrass Italian ryegrass

johnsongrass (seedling only)

junglerice little barley little lovegrass Mexican lovegrass orcutt lovegrass red sprangletop signalgrass

southwestern cupgrass

Texas panicum

wild oats witchgrass XL 2GR provides partial control of the following weeds, depending on soil and weather conditions:

Broadleaf Weeds
annual sowthistle
black mustard
black nightshade
climbing milkweed
common mallow

common ragweed

horse weed ladysthumb

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Weed Grasses

morningglory prickly lettuce smartweed spotted spurge

teaweed (prickly sida)

velvetleaf

volunteer wheat wild mustard

## WHERE CAN I USE XL 2GR?

Apply XL 2GR over the top of ESTABLISHED shrubs, flowers, ground covers, bulbs, and warm season grasses. ESTABLISHED plants are those that have been transplanted into their final growing location and have the soil firmly settled around the roots from packing and rainfall or irrigation. To determine if it is permitted to apply XL 2GR over the top of any specific plant, refer to the "List of Tolerant Plants" located near the end of this label. In areas treated with XL 2GR, plant only ornamental species listed on the label for a period of one year following application or injury may occur.

**Note:** If you will be transplanting plants into previously treated areas, untreated soil should be used to backfill such plants, or injury may occur.

Do not apply XL 2GR in ornamental plantings where the herbicide may runoff onto lawn areas containing dichondra or cool season turfgrasses. XL 2GR can cause severe injury or death in these plants.

Always read and follow the label directions when applying XL 2GR.

## WHEN TO APPLY XL 2GR

XL 2GR stops weeds during germination. IT WILL NOT KILL ESTABLISHED WEEDS. Proper timing of application is important for best results. To be effective, XL 2GR must be applied before the weeds emerge.

#### in ornamental flower and shrub beds

For best results, apply XL 2GR as soon as possible after tilling, killing or pulling existing weeds from bed area. Since many weeds germinate in the spring, an application in early spring prior to the germination of annual broaclest weeds and weed grasses is ideal (consult your extension agent or master gardene; for the proper time to treat in your area). In warm climates with long growing seasons; a second application may be required 6 to 8 months after the first application to extend affective control.

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Over the top of ornamental bulbs

Apply XL 2GR to the soil surface in the fall 2 to 4 weeks after planting of bulbs, but before annual weeds begin to sprout. Apply XL 2GR again in late winter or early spring. Before applying, remove any existing weeds from bed area. In the spring, do not apply to tulip plants that have grown to a height greater than 3/4". If you will be transplanting plants listed on this label into previously treated beds, use untreated soil to backfill such plants, or injury may occur. Otherwise, wait one year and cultivate deeply prior to planting other plants following use of XL 2GR.

In warm-season turfgrasses such as: tall fescue, bermudagrass, St. Augustinegrass, centipedegrass, zoysiagrass, buffalograss or bahiagrass

For maximum effectiveness, apply prior to the germination of broadleaf weeds and grass weeds (consult your extension agent for the proper time in your area). Apply in late winter to prevent emergence of spring germinating weeds, early spring to prevent summer annual weed grasses and broadleaf weeds, and late summer or early fall to prevent emergence of annual bluegrass and broadleaf winter annuals. If you miss the initial application period, partial control can still be achieved by using XL 2GR later than the optimal time since weeds and weed grasses continue to sprout throughout the growing season. Be sure to kill or pull all existing weeds prior to applying XL 2GR because XL 2GR will not control established weeds. In warm climates with long growing seasons, a second application may be required 4 to 6 months after the first application to extend control.

**Turfgrass Precautions:** 

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- XL 2GR should not be applied in the spring to turfgrass planted the previous fall.
- In bermudagrass areas that have been over-seeded with winter grasses, a spring application of XL 2GR may thin the overseeded grasses.
- XL 2GR should not be used on dichondra.
- XL 2GR should not be applied to newly sprigged areas of bermudagrass, St. Augustinegrass, centipedegrass, or zoysiagrass until these turfs are well established.
- · Do not use on turf type tall fescue in spring and summer following fall seeding.
- Do not apply XL 2GR in late summer or early fall to areas where fall overseeding will
- Wait at least six weeks after application of Xi\_ 2GR to reseed turfgrasses. When using XL 2GR at the highest rate, delay reseeding for 12 to 16 weeks following application.
- For satisfactory reseeding results, increase the amount of seed used and use equipment designed to place seed in contact with the soil.

#### HOW TO APPLY XL 2GR

Read and follow all instructions for the application equipment. Always calibrate equipment according to the manufacturer's directions before applying.

#### On ornamental tree and shrub and flower beds

Before applying XL 2GR, make sure shrub beds are free of established weeds. Remove weed residues, prunings, and trash. Remove or break up large soil clods. Apply XL 2GR evenly over the shrub or bedding area using equipment designed to apply granular herbicides or insecticides (such as a rotary spreader). Read and follow all instructions for the application equipment. Always calibrate equipment according to the manufacturer's directions before applying. During application, check frequently to be sure equipment is working properly and distributing granules uniformly. For a more uniform application, spread one-half the desired amount over the area in one direction, then apply the remaining half at right angles to the first. For optimum weed control performance, thoroughly water in XL 2GR within a few hours after application.

# On tall fescue, bermudagrass, St. Augustinegrass, centipedegrass, zoysiagrass, buffalograss and bahiagrass lawns

Apply XL 2GR to established turf before germination of target weeds since XL 2GR will not control established weeds. Apply XL 2GR evenly over the turfgrass area using a rotary spreader or other equipment used to apply granular herbicides or insecticides. Calibrate equipment according to the manufacturer's directions before applying. During application, check frequently to be sure equipment is working properly and distributing granules uniformly. For a more uniform application, spread one-half the desired amount over the area in one direction, then apply the remaining half at right angles to the first. For optimum weed control performance, thoroughly water in XL 2GR within a few hours after application.

## HOW MUCH XL 2GR SHOULD BE APPLIED?

Use the charts below to determine how much XL 2GR to apply: Over-application may result in plant injury or excessive soil residue.

#### Ornamental shrubs and beds:

For 3 to 4 month control For 6 to 8 month control

4 1/2 lb/1000 sq ft 7 lb/1000 sq ft

## Ornamental bulb beds:

Soil TextureTime of ApplicationAmount of XL 2CFCoarseFall1 3/4 lb/1000 sq ftMedium/FineFall3 1/2 lb/1000 sq ftAll soilsFeb./March1 3/4 lb/1000 sq ft



#### Turfgrass:

weeds

annuals

Type of weed Time of Application Amount of XL 2GR†

Spring germinating Late winter 2 1/2 to 3 1/2 lb / 1000 sq ft

Summer annual grass- early spring 3 1/2 lb / 1000 sq ft

weeds and broadleaf

Annual bluegrass Late summer/early 3 1/2 lb / 1000 sq ft

(Poa annua) and fall broadleaf winter

†XL 2GR may thin established annual bluegrass (*Poa annua*) turfs and fine-leafed fescues at rates above 2 1/2 lb/1000 sq ft

## Helpful Application Techniques for XL 2GR

#### On Ornamental Shrub Beds:

- 1. Handheld rotary applicators are ideal for broadcast applying XL 2GR. The rate of application depends on the gauge setting, walking speed of the operator and the speed of turning the crank. Walk and turn the crank at a constant rate of speed.
- 2. For hard to reach, small areas, a small container with holes punched in the bottom makes an excellent shaker type applicator.
- 3. On large areas, the push-type propelled rotary applicator does a fine job.
- 4. Optimum weed control performance will be obtained if XL 2GR is watered in to the soil within a few hours after application.

## On Turigrass:

1. Small area application is easy using a small rotary applicator. To insure proper coverage and avoid missed areas, early morning treatment when wheel tracks are evident in the dew and the wind is calm is ideal.

## Spreader Settings:

[Editor's note: Subregistran may include spreader settings for recommended equipment.1

## **List of Tolerant Plants**

Do not apply to Begonia, Coleus, Slender Deutzia, Douglas Fir, Techny Arborvitae and Eastern Hemlock as injury may occur.

## The following ESTABLISHED plants are tolerant to applications of XL 2GR.

## **Established Flowers**

Aster, Stokes Baby's Breath Bird Of Paradise Blazing Star Bleeding Heart

Caladium, Fancy Leafed

Chrysanthemum Coneflower, Purple

Coreopsis

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Daisy, Gloriosa (Black-Eyed Susan)

Daisy, Painted Daisy, Shasta Geranium Geum Gladiolus

Impatiens (Busy Lizzie)

Iris, Bearded Marigold Marigold, Cape Moss, Rose Pansy Petunia

Ranunculus, Persian

Rose

Sage

Snapdragon Sweet William

Yarrow

Zinnia, Common

## Established Crnamental Shrubs

Abelia, Glossy Acacia, Prostrate

Agave Andromeda

Arborvitae, American

Arborvitae, Aureus Nana-Dwarf Golden

Arborvitae, Emerald Arborvitae, Globosa-Globe Arborvitae, Little Giant-Dwarf Arborvitae, Minima Glauca-Dwart Arborvitae, Nigra-Dark American.

Arborvitae, Oriental Arborvitae, Pyramidalis Arborvitae, Rheingold:

Arborvitae, Woodwardii

Azalea

Bamboo, Compacta-Dwarf Heavenly Bamboo, Harbour Dwarf-Heavenly



Bamboo, Heavenly Bamboo, Nana Compacta-Heavenly Bamboo, Nana Purpurea-Heavenly Bamboo, Woods Dwarf-Heavenly Barberry, Atropurea-Redleaf Japanese Barberry, Aurea-Golden Japanese Barberry, Crimson Pygmy Bottlebrush, Lemon Bougainvillea, Barbara Karst Bougainvillea, California Gold Bougainvillea, Scarlet O'hara Bougainvillea, Texas Dawn Boxwood, Common Boxwood, Japonica-Japanese Boxwood, Littleleaf **Bridal Wreath** Broom, Hollandia-Warminster Broom, Lena-Scotch Cactus, Easter Cherry, Brush Cinquefoil Cleyera, Japanese Cotoneaster, Bearberry Cotoneaster, Brightbead Cotoneaster, Cranberry Cotoneaster, Himalayan Cotoneaster, Parney Cotoneaster, Praecox-Early Cotoneaster, Pyrenees Cotoneaster, Rock Cotoneaster, Rockspray Covotebush Cranberry Bush, Compactum-Dwarf Crape Myrtle Cryptomeria, Japanese Cypress, Filifera-Thread Cypress, Kosteri Cypress, Squarrosa Minima-Dwarf Moss Deutzia, Nakiana-Dwarf Dogwood, Flaviramea-Yellowtwig Dogwood, Flowering Dogwood, Kousa Dogwood, Sibirica-Siberian **Dwarf Burning Bush** Escallonia

Euonymus, Canadale Gold

Euonymus, Emerald'n Gold

Euonymus, Evergreen

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**Euonymus, Silver King** Euonymus, Spreading Euonymus, Stringybark Euonymus, Sunspot Euonymus, Winged Fatshedera Firethorn, Formosa Firethorn, Scarlet Flame Azalea Forsythia Gardenia Grape, Oregon Hawthorn, India Hibiscus, Chinese Hibiscus, Ross Estev Holly, Balkans Holly, Blue Boy Holly, Blue Girl Holly, Chinese Holly, Compacta-Dwarf Japanese Holly, Convexa Holly, Dwarf Chinese Holly, Ebony Magic Holly, English Holly, Gold Coast Holly, Helleri-Heller's Japanese Holly, Japanese Holly, Nana-Dwarf Yaupon Holly, Nordica-Inkberry Holly, Pendula-Weeping Yaupon Holly, San Jose Holly, Yaupon Honeysuckle, Mexican Honeysuckle, Trumpet Honeysuckle, Winter Hopseed Bush Jasmine, Chinese Star Juniper Leucothoe, Coast Leucothoe, Drooping Lilac Lilac, Wild Lily-Of-The-Valley Lily-Of-The-Valley, Temple Bells Lily-Of-The-Valley, Valley Rose Manzanita, Stanford Mockorange Myoporum, Prostrate Myrtle, True

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Oleander Oleander, Hardy Red Oleander, Ruby Lace Osmanthus, Holly-Leaf Palm, Areca Palm, Chinese Fountain Palm, Christmas Palm, Pigmy Date Photinia, Fraser's Pittosporum Plant, Century Plumbago, Blue Cape Privet, Amur Privet, California Privet, Glossy Privet, Howardi Privet, Japanese Privet, Vicary Golden Privet, Wax Leaf Protea Pyracantha, Lolendei Monrovia Pyracantha, Monon Pyracantha, Rutgers Hybrid Pyracantha, Santa Cruz Pyracantha, Victory Pyrcantha, Red Elf Hybrid Rhaphiolepis, Enchantress-Moness Rhaphiolepis, Roundleaf Rhaphiolepis, Springtime-Monme Rose Of Sharon, Red Bird Rose Of Sharon, Red Heart Rose Of Sharon, Woodbridge Rose, Ramanas Rosemary Shrimp Plant Snowdrift Sotol, Desert Spoon Spiraea, False Spruce, Repens-Spreading Norway Spruce, Repens-Weeping Norway Spurge, Japanese St. Johnswort Sumac, African Viburnum Viburnum, Compactum-Spring Bouquet Viburnum, David Viburnum, Doublefile Viburnum, Eastern Snowball

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Viburnum, Sandankwa Viburnum, Tea Weigela, Bristol Ruby Weigela, Java Red Weigela, Minuet Wintercreeper Woadwaxen Woodbine, Flowering Woodbine, Serotina Xylosma Yew Yew, Japanese Yewpine Yucca, Pendulous Yucca, Soaptree,

Yucca, Soaptree, **Established Ground Covers** Beliflower Blue fescue Cape weed Carpet bugle Daisy, Trailing African Gazania Grass, Mondo Grass, Pampas Honeysuckle, Japanese ice plant ice plant, largeleaf Iceplant, Red Trailing Iceplant, Trailing rosea Iceplant, White Ivy, Algerian Ivy, English Jasmine, Chinese Star Periwinkle, Bialeaf Lily Turf, Big blue Lily Turf, Lilac Beauty Lily Turf, Majestic Lily Turf, Monroe white Lily Turf, Silvery Sunproof Lily Turf, Variegated liriope Lily Turf, White Lily, Day Lily, plantain Lily-of-the-Nile Periwinkle, Bigleaf Periwinkle, Dwarf St. Johnswort Stonecrop

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Viburnum, Laurustinus,

Trumpet Vine, Violet

#### Established Trees

Ash

Birch, Paper

Birch, River

Birch, White

Blue Palo Verde

California Pepper Tree

Carob

Carrotwood.

Cherry, Mahaleb

Cherry, Yoshino Flowering

Cottonwood

Crabapple

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Cryptomeria, Japanese

Cypress, Arizona

Cypress, Filicoides-femspray

Cypress, Gracilis-slender Hinoki

Cypress, Italian

Cypress, Lawson faise

Cypress, Sawara-false

Cypress, Squarrosa-moss

Dogwood, flowering

Elm, Chinese

Eucalyptus, Mealy

Eucalyptus, Narrow-leaved

Eucalyptus, Red gum

Eucalyptus, Red ironbark

Eucalyptus, Silver Dollar

**Ficus** 

Fir. Alpine

Fir. Balsam

Fir. Fraser

Fir. Grand

Fir, Veitch

Fir. White

Goldenrain tree

Gum, American sweet

Laurel, California

Laurelcherry, Carolina

Laurelcherry, English

Linden, Littleleaf

Locust, Honey

Magnolia, Southern

Mahogany

Maidenhair tree

Maple, Albus Flowering

Maple, Luteus flowering

Maple, Roseus flowering

Maple, Tangerine flowering Maple, Vesuvius red flowering

Maple

Mountain Laurel

Mulberry, White

Oak

Olive, Black

Olive, Russian

Olive

Palm, Queen

Palm. Cat

Palm

Palm, Parlor

Palm, Mexican fan

Pine

**Podocarpus** 

Redbud

Redcedar, Eastern

Redcedar, Western

Redwood, Coast

Sequoia, Giant

Spruce, Norway

Spruce, Englemann

Spruce, Conica-dwarf Alberta

Spruce, White

Spruce, Black

Spruce, Glauca-Colorado blue

Spruce, Hoopsii-Hoop's blue

Spruce, Koster-Koster Blue

Sycamore, American

Sycamore, California

Toyon

Willow, Babylon weeping

Willow, Corkscrew

Yellow tab

#### **Established Ornamental Bulbs**

bulbous iris

narcissus

gladiolus

daffodils

tulips

#### Established Warm-Season Turfgrasses

tall fescue centipedegrass bahiagrass bermudagrass buffalograss St Augustinegrass zoysiagrass

## PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

CAUTION

Causes Eye irritation • Harmful if Swallowed, Inhaled, or Absorbed through the Skin

Avoid breathing dust and contact with skin, eyes, or clothing. Use eye protection and protective clothing such as coveralls or long-sleeved shirt and long pants and impermeable gloves when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reusing.

First Aid

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If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation develops.

If In eyes: Flush eyes with plenty of water. Get medical attention if irritation develops.

If inhaled: If discomfort occurs, remove individual to fresh air. Get medical attention if breathing difficulty occurs. If not breathing, provide cardiopulmonary resuscitation assistance (mouth-to-mouth) and call a physician.

#### **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 when disposing of equipment washwaters or rinsate.

#### STORAGE AND DISPOSAL

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

Storage: Store in original container out of the reach of children and pets. In case of leak or spill, contain material and dispose of waste.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Completely empty bag into application equipment. There dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

[Editor's note: Subregistrant may insert their company's Werranty Disclaimer and Inherent risk of use information/statenier.ts.]

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