

66330-352

03/14/2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Jonathan A. Janis  
Arysta LifeScience North America, LLC  
15401 Weston Parkway, Suite 150  
Cary, NC 27513

MAR 14 2011

Dear Mr. Janis:

Subject: Label Amendment  
Clethodim Technical 2 Herbicide  
EPA Registration Number 66330-352  
Application Dated December 10, 2010

The label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended is acceptable. One copy of the label stamped "Accepted" is enclosed for your records. If you have any questions, please contact Tracy White by phone at (703) 308-0042 or via email at [white.tracy@epa.gov](mailto:white.tracy@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Kathryn V. Montague".

Kathryn V. Montague  
Product Manager (23)  
Herbicide Branch  
Registration Division (7505P)

Enclosure



Arysta LifeScience

ACCEPTED  
MAR 14 2011  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 66330-352

# CLETHODIM TECHNICAL 2

## For Formulation of Herbicide Products

**ACTIVE INGREDIENT:**

\*Clethodim .....95.3%

OTHER INGREDIENTS: ..... 4.7%

Total: .....100.0%

\*(E)-2[1-[[[(3-Chloro-2-propenyl)oxy]imino]propyl]-5-[2(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

EPA REG. No. 66330-352  
EPA EST. No. 8655-AR-01  
Made in USA

NET CONTENTS: \_\_\_\_\_  
AD

Manufactured for:  
Arysta LifeScience North America, LLC  
15401 Weston Parkway, Suite 150  
Cary, NC 27513



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

**WARNING:** Causes skin and eye irritation. Harmful if swallowed or inhaled. Do not get on skin or clothing. Avoid contact with eyes. Avoid breathing vapors. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

<b>FIRST AID</b>	
If on skin or clothing:	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If swallowed	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If inhaled	<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 mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
Probable mucosal damage may contraindicate the use of gastric lavage.	

**Hot Line Number**

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

**EMERGENCY NUMBERS:**

FOR 24- HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call

CHEMTREC 1-800-424-9300

**ENVIRONMENTAL HAZARDS**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL OF CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS, USE DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

**THIS PRODUCT IS FOR USE IN FURTHER PREPARATION OF HERBICIDE PRODUCTS. DO NOT USE FOR ANY OTHER PURPOSES.**

Products formulated with Clethodim Technical will require registration with the Environmental Protection Agency.

**DIRECTIONS FOR USE**

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

Only for Formulation into Herbicide Products Intended For:

(1) The Following Use(s):

**TERRESTRIAL, FOOD USES:** Alfalfa, Artichoke (Globe), Asparagus, Canola, Clover, Corn (Field), Cotton, Cranberry, Beans (Dry), Beets (Sugar), Flax, Garlic, Hops, Lettuce (Leaf), Mint, Mustard Greens, Mustard Seed, Peach, Peanuts, Safflower, Sesame, Soybeans, Strawberry, Sunflower, Tomatoes, and

Root vegetables Crop Group Subgroup 1B [Beets (Garden), Burdock (edible), Carrot, Celeriac, Chervil (Turnip-rooted), Chicory, Ginseng, Horseradish, Parsley (Turnip-rooted), Parsnip, Radish, Radish (Oriental), Rutabaga, Salsify, Salsify (Black and Spanish), Skirret, Turnip],

Root vegetables Crop Group Subgroup 1C [Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Canna (Edible), Cassava (Bitter and Sweet), Chayote (Root), Chufa, Dasheen, Ginger, Leren, Potato, Sweet Potato, Tainer, Tumeric, Turnip, Yam (Bean and True)],

Leaves or Root and Tuber Vegetables Crop Group 2 [Beet (Garden and Sugar), Burdock (edible), Carrot, Cassava (Bitter and Sweet), Celeriac, Chervil (Turnip-rooted), Chicory, Dasheen (Taro), Parsnip, Radish, Radish (Oriental), Rutabaga, Salsify (Black), Sweet Potato, Tanier (Cocovam), Turnip, Yam (True)],

Bulb Vegetables Crop Group 3 [Garlic (Bulb and Great head (Elephant)), Leek, Onion (Dry Bulb and Green, Welsh), and Shallot],

Leafy Greens Crop Group Subgroup 4A [Amaranth, Arugula, Chervil, Chrysanthemum (Edible leaved and Garland), Corn Salad, Cress (Garden and Upland), Dandelion, Dock, Endive, Lettuce, Orach, Parsley, Purslane (Garden and Winter), Radicchio (Red Chicory), Spinach (New Zealand and Vine)],

Leafy Petioles Crop Group Subgroup 4B [Cardoon, Celery, Celery (Chinese), Celtuce, Fennel (Florence), Rhubarb, Swiss Chard],

Head and Stem Brassica Crop Group Subgroup 5A [Broccoli, Broccoli (Chinese), Brussels Sprouts, Cabbage, Cabbage (Chinese (napa) and Chinese Mustard), Cauliflower, Cavalo Broccolo, Kohlrabi],

Leafy Brassica Greens Crop Group Subgroup 5B [Broccoli Raab, Cabbage (Bok Choy), Collards, Kale, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens],

Legume Vegetables Crop Group 6 (except soybeans) [Bean (*Lupinus* spp.) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin), Bean (*Phaseolus* spp.) (includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean), Bean (*Vigna* spp.) (includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean), Broad bean (fava bean) (*Vicia faba*), Chickpea (garbanzo bean) (*Cicer arietinum*), Guar (*Cyamopsis tetragonoloba*), Jackbean (*Canavalia ensiformis*), Lablab bean (hyacinth bean) (*Lablab purpureus*), Lentil (*Lens esculenta*), Pea (*Pisum* spp.) (includes dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea), Pigeon pea (*Cajanus cajan*), and Sword bean (*Canavalia gladiata*)],

Fruiting Vegetables (Except Cucurbits) Crop Group 8 [Eggplant, Groundcherry, Pepino, Pepper including bell pepper, chili pepper, cooking pepper, pimento and sweet pepper, Tomatillo, and Tomato],

Cucurbit Vegetables Crop Group Melon Subgroup 9A [Citron Melon, Muskmelon, and Watermelon]

Cucurbit Vegetable Crop Group Squash/Cucumber Subgroup 9B [Chayote (fruit), Chinese Waxgourd, Cucumber, Gherkin, Gourd (Edible), *Momordica* spp., Pumpkin, Squash (Summer and Winter)],

Berry and Small Fruit Crop Group Caneberry Subgroup 13-07A [Blackberry, Loganberry, raspberry (Red and Black), Wild Raspberry, cultivars, varieties and/or hybrids of these],

Berry and Small Fruit Crop Group Bushberry Subgroup 13-07B [Aronia Berry, Blueberry (Highbush and Lowbush), Buffalo Currant, Chilean Guava, Currant (Black and Red), Elderberry, European Barberry, Gooseberry, Cranberry (Highbush), Honeysuckle (Edible), Huckleberry (Jostaberry), Juneberry, Lingonberry, Native Currant, Salal, Sea Buckthorn, Cultivars, varieties and/or hybrids of these],

Herbs and Spice Crop Group, Herbs Subgroup 19A [Angelica, Balm, Basil, Borage, Burnet, Camomile, Catnip, Chervil (Dried), Chive, Chive (Chinese and Clary), Coriander (Leaf), Costmary, Culantro (Leaf), Dillweed, Horehound, Hyssop, Lavender, Lemongrass, Lovage (Leaf), Marigold, Marjoram (*Origanum* spp.), Nasturtium, Parsley (Dried), Pennyroyal, Rosemary, Rue, Sage, Savory (Summer and Winter), Sweet Bay, Tansy, Tarragon, Thyme, Wintergreen, Woodruff, and Wormwood].

**GREENHOUSE, SHADEHOUSE, LATHHOUSES, AND OUTDOOR NON-FOOD USES:** Ornamentals, Non-Bearing Food Crops, Conifer Trees, Fallow Land (and other non-producing agricultural areas), and Non Crop or non-Planted Areas.

- (2) Uses for which USEPA has Excepted the Required Data and/or Citations of Data that the Formulator has Submitted in Support of registration; and
- (3) Uses for Experimental Purposes that are in Compliance with the USEPA Requirements.

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:**

Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool dry place.

**Pesticide Disposal:**

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

**Container Handling and Disposal:**

Refillable container. Refill this container with pesticide only. Do not reuse or refill this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

For final disposal, dispose of container in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Warranty and Disclaimer Statement**

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

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