



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505T)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

93653-3

Date of Issuance:

4/7/23

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

ZS Clethodim Technical

Name and Address of Registrant (include ZIP Code):

ZSChem USA, Inc.
c/o Pyxis Regulatory Consulting, Inc.
4110 136th St. Ct. NW
Gig Harbor, WA 98332

Note: Changes in labeling 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 EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).


Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, 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.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

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Signature of Approving Official:


for Heather McFarley, Product Manager 24
Fungicide-Herbicide Branch
Registration Division 7505T

Date:

4/7/23

2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 93653-3.”
3. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 03/23/2023

If you have any questions, please contact Jennifer Drobish at 202-566-2642 or at Drobish.jennifer@epa.gov.

Enclosure

ZS Clethodim Technical

For Manufacturing Use Only

ACTIVE INGREDIENT:	w/w%
Clethodim: (CAS No. 99129-21-2)*	95.8%
OTHER INGREDIENTS:	<u>4.2%</u>
TOTAL:	100.0%

* (E,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

FIRST AID	
If Swallowed:	<ul style="list-style-type: none"> • 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 do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on Skin or Clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 -20 minutes. • Call a Poison Control Center or doctor for treatment advice.
If in Eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 -20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a Poison Control Center or doctor for treatment advice.
If Inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8:00 AM to 12:00 PM Pacific Time (NPIC Web site: www.npic.orst.edu).	

[See side panel for Storage and Disposal and Warranty-Conditions of Sale]

Manufactured for:
 ZSChem USA, Inc.
 5100 Poplar Ave, Floor 27
 Memphis, TN 38137-2701

EPA Reg. No. 93653-G
EPA Est. No.
Net Weight: lbs (kg)
Lot No.: See container

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed. Harmful if absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid contact with skin, eyes or clothing. Wear long-sleeved shirt and long pants, socks, shoes and waterproof gloves. Remove and wash contaminated clothing before reuse.

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 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 herbicides for the following uses: (1) uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; (2) uses for experimental purposes that are in compliance with USEPA; (3) **Terrestrial food uses:**

Alfalfa	Crop Group 6; legume vegetables (dried and succulent) (except soybean)	Crop Subgroup 20C; cottonseed
Artichoke, globe	Crop Group 8-10; fruiting vegetables (except okra)	Crop Subgroup 22A; stalk and stem vegetables
Clover	Crop Subgroup 9A; melon	Crop Subgroup 22B; leaf petiole vegetables
Corn (field)	Crop Subgroup 9B; squash/cucumber	Flax
Cotton	Crop Group 11-10; pome fruit	Hops
Cranberry	Crop Group 12-12; stone fruit	Mint (peppermint tops and spearmint tops)
Crop Subgroup 1B; root vegetables (except sugar beet)	Crop Subgroup 13-07A; caneberry	Okra
Crop Subgroup 1C; tuberous and corm vegetables	Crop Subgroup 13-07B; bushberry	Peanut
Crop Subgroup 3-07A; onion, bulb	Crop Subgroup 13-07G; low growing berry (except cranberry)	Radish (including tops)
Crop Subgroup 3-07B; onion, green	Crop Group 14-12; tree nuts	Soybean
Crop Subgroup 4-16A; leafy greens	Crop Subgroup 19A; herbs	Stevia (dried leaves)
Crop Subgroup 4-16B; brassica leafy greens	Crop Subgroup 20A; rapeseed (except flax)	Sugar beets (including tops)
Crop Group 5-16; Brassica head and stem vegetables	Crop Subgroup 20B; sunflower	

ACCEPTED

04/07/2023

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 93653-3 1.

Terrestrial Non-Food Uses: Greenhouses, Lathouses and Shadehouses;

Outdoor Non-Food Uses: Christmas Trees, Conifer Trees, Fallow Land (and other non-producing agricultural areas), Golf courses, Native prairies warm season grass restoration projects, Non-Bearing Food Crops, Non-Crop or Non-Planted Areas, Nurseries, Ornamentals, Residential Outdoor

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage, disposal or cleaning of equipment.

PESTICIDE STORAGE: Keep pesticide in original container. DO NOT put concentrate or dilute into food or drink containers. Store in cool, dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at any approved waste disposal facility. Open dumping is prohibited.

CONTAINER HANDLING:

Nonrefillable Containers (Capacity Greater Than 50 Pounds): Nonrefillable container. DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into formulation equipment. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into formulation equipment or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

WARRANTY—CONDITIONS OF SALE

Manufacturer warrants that this product conforms to its chemical description and is reasonably fit for the purposes referred to in the "DIRECTIONS FOR USE". Manufacturer makes no other warranties, expressed or implied, including fitness or merchantability. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. The foregoing is a condition of sale and is accepted as such by the Buyer.

[EPA Approval date]