

Reg # 10182-248

PM-25

File
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United States Environmental Protection Agency
Washington, D.C. 20460

OCT 19 1993

Office of
Prevention, Pesticides and
Toxic Substances

Wayne R Hillebrecht
ZENECA INC
ZENECA AG PRODUCTS
NEW MURPHY ROAD & CONCORD PIKE BOX 751
WILMINGTON DE 19897

Subject: Label Amendment Submission of 06/18/93
in Compliance with WPS Labeling Requirements
EPA Reg No. 10182-248
SUTAZINE + SELECTIVE HERBICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted subject to the comments listed below.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notices 93-7 and 93-11, which reflect the WPS labeling requirements of 40 CFR part 156, subpart K. Any other labeling changes submitted in connection with this amendment application and not directly related to compliance with PR Notice 93-7 or 93-11 have neither been reviewed nor accepted by the Agency. If you wish to make any such changes, you must submit a separate amendment application proposing them. If your product registration is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

A copy of your proposed labeling stamped "Accepted with comments" is attached. Make any required changes described in the attached and send three copies of final labeling as soon as it is available to:

2912

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (H-7504C)
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460-0001

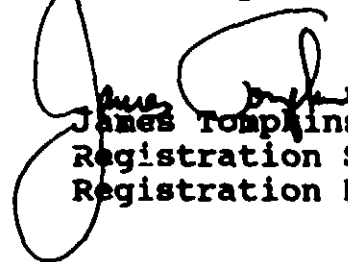
Hand or courier deliveries of final labels may be made to:

Document Processing Desk (FIN-LABEL)
Room 266A Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Please correct the typographical errors circled on the draft before printing final labeling.

In your final labeling the "Agricultural Use Requirements" text" must be contained in a clearly separate box. This box may be set apart by a line, by another graphical device, by a different color background, or in any other way that clearly distinguishes it from surrounding text.

Sincerely,



James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (H7505W)

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Admin: 10182-248

Analyst comments:

Under Statement of Practical Treatment reference to removal and cleaning of contaminated clothing should be deleted.

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RESTRICTED USE PESTICIDE
Ground and Surface Water Concerns

For retail sale to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

This product is a restricted use herbicide due to ground and surface water concerns. Users must read and follow all precautionary statements and instructions for use in order to minimize potential for atrazine to reach ground and surface water.

SUTAZINE®+
Selective Herbicide

A Preplant Incorporated Herbicide for Control of
Annual Grass and Broadleaf Weeds in Field, Sweet, Pop, and Silage Corn

ACTIVE INGREDIENTS:

Butylate:	
S-ethyl diisobutylthiocarbamate	56.80%
Atrazine:	
2-chloro-4-(ethylamino)-6-(isopropylamino)-s-triazine	13.90%
Related triazines	0.30%
INERT INGREDIENTS:	<u>29.00%</u>
Total	100.00%

Contains 4.8 pounds S-ethyl diisobutylthiocarbamate and 1.2 pounds atrazine active ingredient per gallon.

EPA Reg. No. 10182-248
EPA Est. No. 10182-

Net Contents:

KEEP OUT OF REACH OF CHILDREN

DANGER
PELIGRO

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

Made in U.S.A.
ZENECA Ag Products
ZENECA Inc.
Wilmington, DE 19897

ACCEPTED
with COMMENTS
in EPA Letter Dated

JUN 1 1993

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

10182-248

STATEMENT OF PRACTICAL TREATMENT

FIRST AID

If a known exposure occurs or is suspected, immediately start the procedures given below. If further treatment is required, contact a Poison Control Center, a physician, or the nearest hospital.

IF SWALLOWED: Immediately give several glasses of water and induce vomiting by gagging the victim with a finger placed on the back of the victim's tongue. Give fluids until vomitus is clear. If victim is unconscious or convulsing, do not induce vomiting or give anything by mouth.

IF IN EYES: Immediately flush the eyes with plenty of running water for at least 15 minutes. Hold the eyelids apart during flushing to ensure rinsing of the entire surface of the eye and lids with water. Call a physician.

IF ON SKIN: Flush affected areas with plenty of water for several minutes. Remove and clean any contaminated clothing and shoes. Get medical attention if skin irritation occurs.

IF INHALED: Remove to fresh air. Seek medical attention if respiratory irritation occurs or breathing becomes difficult.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

~~CORROSIVE, CAUSES IRREVERSIBLE EYE DAMAGE. HARMFUL IF SWALLOWED. Avoid contact with skin, eyes, and clothing. Avoid breathing spray mist. Wear goggles, rubber gloves, and protective clothing when handling. Wash skin with soap and water immediately after contact. Flush eyes with water.~~

~~Do not apply this product in such a manner as to directly or through drift expose workers or other persons.~~

~~Users are required to wear long sleeve shirts and long pants or equivalent, chemical resistant gloves, and boots (waterproofed). In addition, persons involved in mixing/loading operations are required to use heavy duty chemical resistant gloves or neoprene gloves and a face shield or goggles.~~

Personal Protective Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
 - Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
 - Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
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ENVIRONMENTAL HAZARDS

Atrazine leaches readily and accepted label rates have been found to result in contamination of water supplies by way of groundwater. Therefore, users are advised to avoid use of atrazine in well-drained soils, particularly in areas having high groundwater tables.

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Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water or to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling (i.e., attached booklet) under "AGRICULTURAL USE REQUIREMENTS" in the DIRECTIONS FOR USE section for information about this standard.

Refer to attached booklet for use directions.

GENERAL INFORMATION

SUTAZINE®+ selective herbicide is a selective herbicide which is mixed into the soil for control of weeds listed in Table 1 of attached booklet. SUTAZINE+ controls annual grasses and broadleaves as their seeds germinate by interfering with normal germination and seedling development. It does not control established weeds.

GENERAL USE PRECAUTIONS

- Read all label directions before using.
- This product is intended for preplant or preemergence application only. No postemergence use is permitted.
- Failure to strictly follow label directions may result in exceeding the maximum annual atrazine use rates as stipulated by the Environmental Protection Agency.
- Where sequential postemergence treatments with appropriately registered products containing atrazine are necessary, do not exceed a total of 2.5 pounds active ingredient atrazine per acre per calendar year.
- This product may not be mixed/loaded or used within 50 feet of all wells, including abandoned wells, drainage wells, and sink holes. This product may not be mixed or loaded within 50 feet of intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be applied aerially or by ground within 66 feet of the points where field surface water runoff enters perennial or intermittent streams and rivers or within 200 feet around natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66 foot buffer or set-back from runoff points must be planted to crop or seeded with grass or other suitable crop.
- Do not apply this product through any type of irrigation system.
- The maximum application rate for corn is 2.5 pounds atrazine active ingredient per acre per calendar year.
- This product contains atrazine and thus may not control weeds that are known or suspected to be triazine resistant.

- SUTAZINE+ is recommended for use only on mineral soils or those soils containing less than 10% organic matter.
- SUTAZINE+ should not be used on milo or sorghum.
- SUTAZINE+ should not be used on corn seed stock such as Breeders, Foundation, or Increase.
- SUTAZINE+ can be used on production seed corn.
- Do not contaminate irrigation water used for crops other than corn or water used for domestic purposes.
- Do not apply SUTAZINE+ before preirrigation in irrigated areas.
- Do not allow SUTAZINE+ to contaminate feed or food.
- SUTAZINE+ should not be stored near seeds, fertilizers, or foodstuffs.
- All containers of SUTAZINE+ should be kept tightly closed when not in use.
- Do not use in Arizona or 10 southernmost counties in California.
- Applied according to directions and under normal growing conditions, SUTAZINE+ will not harm the treated crop. During germination and early stages of growth, extended periods of unusually cold and wet or hot and dry weather, insect or plant disease attack, carryover pesticide residues, the use of certain soil applied systemic insecticides, improperly placed fertilizers or soil insecticides may create abnormal conditions that weaken crop seedlings. SUTAZINE+ used under these abnormal conditions could result in crop injury.
- Make only one application per crop.
- After treatment with SUTAZINE+, do not plant any crop except corn until the following year or injury may occur.
- Do not apply SUTAZINE+ after June 10.
- Following corn harvest, thoroughly invert soil by deep discing or plowing in the fall or early spring to minimize injury potential to rotational spring seeded crops.
- Corn or soybeans may be planted the spring season following treatment.
- Small grains may be planted 15 months following treatment.
- All other atrazine sensitive crops may be planted 18 months after application.
- Injury may occur to soybeans the year following corn when planted in north central and northwest Iowa, south central and southwest Minnesota, northern Nebraska and southeast South Dakota on soils having a calcareous surface layer.

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- Where there are state/local requirements regarding atrazine use (including lower maximum rates and/or higher set-backs) which are different from the label, the more restrictive/protective requirements apply.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Keep container tightly closed when not in use. Do not store near seeds, fertilizers, or food stuffs. Can be stored at temperatures as low as minus 30°F.

PESTICIDE DISPOSAL: Rinse spray equipment. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

Metal: Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

Plastic: Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

FOR BULK AND MINI-BULK CONTAINERS

CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS

Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

REFILL ONLY WITH SUTAZINE+ selective herbicide. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than SUTAZINE+ will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

Circulation before dispensing is required.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND LIMITED WARRANTY:

The Directions for Use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified: Country: United States of America. Patent No. 4,021,224; 4,137,070.

SUTAZINE®+ is a trademark of a ZENECA Group Company.