

JUL 19 1994

Elizabeth D. Owens, Ph.D.
Manager, Product Registrations
ISK Biosciences Corporation
5966 Heisley Road
P.O. Box 8000
Mentor, Ohio 44061-8000

Dear Dr. Owens:

Subject: Ansar 170 Herbicide
EPA Reg. No. 50534-36
Ansar 529 Herbicide
EPA Reg. No. 50534-37
Ansar 184 Herbicide
EPA Reg. No. 50534-38
Monex Herbicide
EPA Reg. No. 50534-44
Ansar 170 H.C. Herbicide ✓
EPA Reg. No. 50534-48
Label Revisions
Your Applications & Letters Dated 5/12/94

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. A stamped copy is enclosed for your records. Submit one (5) copies of your final printed labeling prior to releasing the product for shipment.

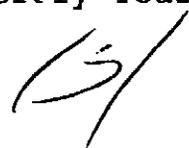
You should delete the statement "DO NOT contaminate water by cleaning of equipment or disposal of wastes" under **Environmental Hazards**, as it is redundant with the second sentence under this section. You must also revise you labels as required by the WPS label acceptance letter dated 5/26/94.

Regarding EPA Reg. No. 50534-38, in addition to the aforementioned comments, under **Mixing Instructions**, put a period after "overnight", and revise the last statement to read, "Clean application equipment thoroughly after using by flushing with water in a safe place."

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Regarding EPA Reg. No. 50534-48, in addition to the
aforementioned comments, under **Lawn And Ornamental Turf**, in the
first sentence, change "not" to "no".

Sincerely Yours,



Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosures

Ansar® 170 H.C. Herbicide

High Concentrate

MSMA Liquid for Selective Post-Emergent Weed Control

Active Ingredient: Monosodium Acid Methanearsonate	58.2%
Inert Ingredients:	41.8%
Total:	100.0%

Total Arsenic, all in water-soluble form, expressed as elemental	26.9%
Product Contains 8.0 Pounds MSMA Per Gallon	

Keep Out of Reach of Children

CAUTION:

See Side Panel for Additional Precautionary Statements

ISK ~~Biotech~~ *Biosciences* Corporation

5966 Heisley Road
P.O. Box 8000
Mentor, Ohio 44061-8000

EPA Reg. No. 50534-48
EPA Est. No.: 50534-TX-01

ANSAR® is a registered trademark of ISK ~~Biotech~~ Biosciences Corporation

ACCEPTED
with COMMENTS
In EPA Letter Dated:

Under the Federal Insecticide
Fungicide, and Rodenticide Act
is hereby approved for the pesticide
registered under EPA Reg. No.

50534-48

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Precautionary Statements

Hazards to Humans and Domestic Animals

Caution

Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapors or spray mist.

If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. NEVER give anything by mouth to an unconscious person. Seek medical attention.

In case of contact, flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

Wash exposed skin gently with plenty of soap and water.

~~Keep children and domestic animals off treated areas until this material has been washed into the soil.~~

~~Wear protective clothing when handling or applying this product including long pants, long sleeve shirt, and impermeable gloves and boots. Mixer-loaders should include an apron and full face shield when handling or mixing concentrate.~~

~~Flagmen should be fully protected during spray operations or mechanical flagmen used. Pilots and ground spray rig applicators should wear a mask or respirator approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health.~~

Personal Protective Equipment:

Applicators and other handlers must wear:

- * Long-sleeved shirt and long pants
- * Waterproof gloves
- * Chemical-resistant footwear plus socks
- * Protective eyewear
- * Chemical-resistant apron when cleaning equipment, mixing or loading

For exposures in enclosed areas:

- * A respirator with either an organic vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)

For exposures outdoors:

- * Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

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.

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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.

Environmental Hazards

DO NOT apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. DO NOT contaminate water by disposal of equipment wash waters.

DO NOT feed treated foliage to livestock or graze treated areas.

DO NOT spray or allow drift onto vegetables, ornamentals or other desirable plants. DO NOT apply when weather conditions favor drift from target area.

DO NOT contaminate water by cleaning of equipment or disposal of wastes.

Ansar 170 H.C. Herbicide

Read entire label before using this product

General Information:

Ansar 170 H.C. Herbicide is useful for selective post-emergent weed control, particularly for grassy weeds. Its activity is enhanced by addition of a suitable surfactant to the spray solution. It is most effective on young, actively growing weeds at air temperatures above 70°F. Its phytotoxic properties are quickly inactivated on contact with the soil.

Mixing instructions: Ansar170 H.C. Herbicide must be thoroughly dissolved. Fill the spray equipment tank about half full with water and add the required amount of herbicide and surfactant with agitation. Finish filling the tank with water and apply. After use, clean equipment thoroughly by flushing with water in a safe place. DO NOT Store spray solution in tank for a prolonged period overnight.

Directions for Use

clear for application to growing crops

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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AGRICULTURAL USE REQUIREMENTS Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- * Coveralls
- * Waterproof gloves
- * Chemical-resistant footwear plus socks
- * Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and domestic animals off treated areas until this material has been washed into the soil.

DO NOT apply this product through any type of irrigation equipment.

COTTON: Ansar 170 H.C. Herbicide is useful as a directed application in cotton for the post-emergent control of weeds and grasses such as johnsongrass, nutsedge, dallisgrass, cocklebur, ragweed, sandbur and puncture vine. It should be applied at the rate of 1 quart per acre. Add 5 pints of Ansar 170 H.C. Herbicide and 1 to 2 quarts of a suitable surfactant, cleared for application to growing crops, to 100 gallons of water and mix thoroughly. Apply spray solution at 40 gallons per acre. Weed control is most effective at temperatures above 70°F. For band application in 40 inch rows, apply 1/2 gallon of spray solution per inch of band width per acre. Direct the spray solution to the base of the cotton plant. Nozzles should be placed so as to avoid spraying the cotton foliage. A second application may be required during humid growing conditions to control perennials, such as johnsongrass and nutsedge.

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Slight burning and a reddish discoloration of the cotton leaf may occasionally occur following the recommended treatment, but the cotton plant will develop normally *and yield will not be affected*. Apply only when cotton is 3 inches high to first bloom. DO NOT apply after first bloom. DO NOT feed treated foliage to livestock or graze treated areas.

NON-CROP: Ansar 170 H.C. Herbicide is useful for controlling of johnsongrass, nutsedge and certain other weeds on drainage ditchbanks, rights-of-way, storage yards and similar non-crop areas.

Mix Ansar 170 H.C. Herbicide at a rate of 2 to 5 pints, plus 1 to 2 quarts of a suitable surfactant in 100 gallons of water. Spray 2 quarts of a suitable surfactant in 100 gallons of water. Spray the unwanted vegetation thoroughly to just short of run-off. Any spray equipment that gives good coverage may be used. If regrowth occurs, reapply as required. DO NOT contaminate waters used for domestic purposes, or by animals, including wildlife and aquatic life, or water used for irrigation purposes.

Lawn And Ornamental Turf: Ansar 170 H.C. Herbicide is useful for control of dallisgrass, sandbur, bahiagrass, nutsedge, crabgrass, chickweed and wood sorrel with little or not injury to tolerant lawn grasses. On new lawns, DO NOT treat until after three mowings. Tolerant grasses may be temporarily discolored. Zoysia, bluegrasses, and Bermuda grasses are quite tolerant. DO NOT use on St. Augustinegrass, or centipedegrass, *carpetgrass, or on Dichondra*.

Mow lawns 1 to 1-1/2 inches high before treatment. Mix 1 fluid ounce (2 tablespoons) of Ansar 170 H.C. Herbicide and 1/2 fluid ounce (1 tablespoon) of a suitable surfactant in 2-1/2 gallons of water and apply to an area of 1,000 square feet. Spray thoroughly to wet all undesirable plants. Repeat applications, 10 to 14 days apart, may be needed for good control. *DO NOT water turf for at least 24 hours AFTER application. DO NOT reseed until two weeks after last application.*

DO NOT apply with hose-end applicators.

Storage and Disposal

DO NOT contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

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: DO NOT reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or ~~by other procedures approved incineration~~, or, if allowed by state and local authorities, by burning. *If burned, stay out of smoke.*

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Warranty and Limitation of Damages

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

Buyers and users of this product are responsible for all loss or damage from use or handling of this product which results from conditions beyond the control of Seller, including, but not limited to, incompatibility with other products unless otherwise expressly provided in the Directions for Use of this product, weather conditions, cultural practices, moisture conditions or other environmental conditions outside of the ranges that are generally recognized as being conducive to good agricultural and/or horticultural practices.

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