

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF PESTICIDE:

MAY 14 2007

- Registration
 Reregistration

EPA Reg. Number: 71512-11

Term of Issuance: Conditional

Name of Pesticide Product: Technical Flazasulfuron

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
2. Within 18 months of the date of this registration, submit one-year storage stability and corrosion characteristics study for review and acceptance.
3. Submit the following studies for review prior to June 30, 2009:
 - a. Acute neurotoxic study including historical positive control data, analytical data verifying homogeneity, and stability of formulated test materials for this study.
 - b. Aerobic Aquatic Metabolism.
 - c. Aerobic Soil Metabolism.
 - d. Anaerobic Aquatic Metabolism.
 - e. Soil Mobility: Adsorption/Desorption (parent).
 - f. Freshwater Fish Early Life-Stage.
 - g. Aquatic invertebrate Life-Cycle(freshwater).
 - h. Duckweed, Lemna gibba.
 - i. Aquatic vascular plant (duckweed) study
 - j. Seedling emergence (Tier II).(Refer to enclosed Tables A.1. and A.2. for specific requirements for items b to j).
- k. Provide material safety data sheet (MSDS) for seven starting materials for synthesis the technical flazasulfuron. The seven MSDSs must be submitted within 90 days of registration of this products (refer to the enclosed confidential page).
4. Make the following label changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 71512-11."
 - b. Under "Precautionary Statements";

Simplify this paragraph as the following:

2 8 10

“Harmful, if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.”

c. Under “First Aid”;

Interchange the sequence between “If swallowed” and “If on skin or clothing.”

d. Under “Environmental Hazards”;

Add the following statement:
“This product is toxic to fish.”

e. Under “Storage and Disposal”;

Change “Storage” to “Pesticide Storage.”

f. Under “Warranty and Limitations of Damages”;

Add “To the fullest extent permitted by law,” before “Except as provided elsewhere . . . and no agent of seller is authorized to do so;” “In no event . . . a claim is made;” and “Buyers and users of this product . . . to good agricultural and /or horticultural practices.”

Submit one copy of the revised final printed label for the record before you release the product for shipment. If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosures

CONCURRENCES

SYMBOL <	7505C	Final						
SURNAME <	Bien	<i>[Signature]</i>						
DATE <	4-24-07	5-14-07						

3 7 10

Page 3
EPA Reg. No. 51512-11

Confidential Page

Provide MSDS for the following chemicals:

8. Hydrogen chloride.
9. Sodium Chloride.
10. Sodium hydrogen sulfite.
11. Sulfuric acid.
12. Chlorobenzene.
13. 3-picoline.
14. Triethylamine.

Table A. 1. Environmental Fate Studies for Flazasulfuron

Guide line #	Data Requirement	MRID #	EPA Classification	Are data adequate for risk assessment ?	Are more data needed?
161-1	Hydrolysis	46220949	Supplemental	Yes	No
161-2	Photodegradation in Water	46220950	Supplemental	Yes	Yes. Studies need to be conducted on the hydrolysis degradates DTPU and DTPP at the pH(s) at which they are the most stable to hydrolysis.
161-3	Photodegradation on Soil	46220947	Acceptable	Yes	No
161-4	Photodegradation in Air	No study			No
162-1	Aerobic Soil Metabolism	46220951 46220952	Supplemental Unacceptable	Yes	Yes. Adequate storage stability data are needed to demonstrate that parent flazasulfuron residues were stable in soil prior to analysis.
162-2	Anaerobic Soil Metabolism	No study			No
162-3	Anaerobic Aquatic Metabolism	46220953	Supplemental	No	Yes. Atypical amount of carbon dioxide formation in an anaerobic system must be addressed by the registrant.
162-4	Aerobic Aquatic Metabolism	46220954	Unacceptable	No	Yes. A new study must be submitted in which the test system is incubated under aerobic conditions.
163-1	Soil Column Leaching (Aged)	46220955	Supplemental	Yes	Yes. Additional soils representing a wider range of pHs must be tested using batch equilibrium methods.
	Adsorption/Desorption (parent)	46220956	Unacceptable	No	
	Adsorption/Desorption Parent + degradates	46220954	Supplemental	Yes	
163-2	Laboratory Volatility	No study			No
163-3	Field Volatility	No Study			No
164-1	Terrestrial Field Dissipation	46220957 (OK)	Acceptable		No
		46220958 (TX)	Acceptable	Yes	

Guide line #	Data Requirement	MRID #	EPA Classification	Are data adequate for risk assessment ?	Are more data needed?
		46220959 (GA)	Supplemental		
164-2	Aquatic Field Dissipation	No study			No
164-3	Forestry Dissipation	No study			No
165-4	Accumulation in Fish	Waived			No
165-5	Accumulation in aquatic non-target organism (crayfish)	Waived			No

Table A.2. Ecological Effects Studies for Flazasulfuron.

GLN	Data Requirement	Test Material	MRID #	EPA Classification	Are data adequate for risk assessment?	Are More Data Needed?
71-1	Avian Oral LD ₅₀	Parent	46220971 46220972	Acceptable Acceptable	Yes	No
71-2	Avian Dietary LC ₅₀	Parent	46220973 46220974	Acceptable Acceptable	Yes	No
71-4	Avian Reproduction	Parent	46220975 46220976	Acceptable Acceptable	Yes	No
72-1	Freshwater Fish LC ₅₀	Parent	46220966 46220967	Acceptable	Yes	No
		Degradate DTPP	46394406	Supplemental	Yes	No
		Degradate DTPU	46394405	Supplemental	Yes	No
72-2	Freshwater Invertebrate Acute LC ₅₀	Parent	46220963	Acceptable	Yes	No
		Degradate DTPU	46394407	Acceptable	Yes	No
		Degradate DTPP	46394411	Supplemental	Yes	No
72-3(a)	Estuarine/ Marine Fish	Parent	46220968	Acceptable	Yes	No

GLN	Data Requirement	Test Material	MRID #	EPA Classification	Are data adequate for risk assessment?	Are More Data Needed?
	LC ₅₀					
72-3(b)	Estuarine/ Marine Mollusk EC ₅₀	Parent	46220964	Acceptable	Yes	No
72-3(c)	Estuarine/ Marine Shrimp EC ₅₀	Parent	46220965	Acceptable	Yes	No
72-4(a)	Freshwater Fish Early Life-Stage	Parent	46220970	Supplemental	Yes	Yes. Raw data on time to hatch and time to swim-up are required.
72-4(b)	Aquatic Invertebrate Life-Cycle (freshwater)	Parent	46220969	Supplemental	Yes	Yes. Raw data on growth measurements are required.
123-1(a)	Seedling Emergence (Tier II)	Formulation SL-160; 25% WG	46930003	Supplemental	Yes	Yes
123-1(b)	Vegetative Vigor (Tier II)	Formulation SL-160; 25% WG	46930002	Acceptable	Yes	No
Non-Guide- line	Barnyard grass toxicity study	Degradate, DTPU	46394403	Invalid	No	No
		Degradate, DTPP	46394404	Invalid	No	No
123-2 Aquatic Plant Growth (Tier II)	Blue-green Algae	Parent	46220985	Acceptable	Yes	No
	Duckweed, Lemna gibba	Parent	46220980	Supplemental	Yes	Yes. Measurements of the test material at the lowest treatment level are required.
			46220981	Supplemental	Yes	Yes. Raw data for growth endpoints other than frond count are required.
	Freshwater Diatom, Navicula	Parent	46220984	Acceptable	Yes	No

GLN	Data Requirement	Test Material	MRID #	EPA Classification	Are data adequate for risk assessment?	Are More Data Needed?
	Marine Diatom	Parent	46220986	Acceptable	Yes	No
	Green algae	Parent	46220983	Acceptable	Yes	No
		Degradate, DTPP	46394409	Supplemental	Yes	No
		Degradate, DTPU	46394408	Supplemental	Yes	No
Non-Guide-line	Duckweed, Lemna gibba	Parent	46220982	Supplemental	Yes	No
141-1	Honey Bee Acute Contact LD ₅₀	Parent	46220977	Acceptable	Yes	No
Non-Guide-line	Honey Bee Acute Oral LD ₅₀	Parent	46220977	Supplemental	Yes	No
Non-Guide-line	Toxicity to Earthworms	Parent	46220962	Supplemental	Yes	No

8 8 10

TECHNICAL FLAZASULFURON HERBICIDE

ACTIVE INGREDIENT:	By Wt.
Flazasulfuron*.....	96.9%
OTHER INGREDIENTS:	3.1%
Total.....	100.0%

* N-[[[(4,6-dimethoxy-2-pyrimidinyl) amino]carbonyl]-3-(trifluoromethyl)-2-pyridinesulfonamide

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

SEE SIDE PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS.

READ ENTIRE LABEL CAREFULLY AND USE ONLY AS DIRECTED.

EPA Registration No. 71512-<>
EPA Establishment No. <>

Net Contents:

ISK Biosciences Logo
ISK Biosciences Corporation
7470 Auburn Road, Suite A
Concord, Ohio 44077

ACCEPTED
with COMMENTS
in EPA Letter Dated

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

71512-11

MAY 14 2007

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Harmful if inhaled. Avoid breathing dust. Remove contaminated clothing and wash clothing before reuse. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor for treatment 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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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 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 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 further treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER	
<p>For 24-Hour Medical Emergency Assistance call 1-888-484-7546. For Chemical Emergency, Spill, Leak, Fire or Accident, call CHEMTREC 1-800-424-9300.</p>	

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.

DIRECTIONS FOR USE

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

THIS PRODUCT IS FOR MANUFACTURING USE ONLY.

Only for formulation into herbicides for use on professionally managed turf. This product may be used to formulate products for any additional uses not listed on this label if the formulator, user group, or grower has complied with U. S. EPA data submission requirements regarding support of such uses.

10 8 10

STORAGE AND DISPOSAL

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

STORAGE: Store in original container, in a secured, dry and cool place separate from other pesticides, fertilizer, food, and feed.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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: 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 incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants to those persons lawfully acquiring title to this product that at the time of first sale of this product by Seller that this product conformed to its chemical description and was reasonably fit for the purposes stated on the label when used in accordance with Seller's directions under normal conditions of use, and Buyers and users of this product assume the risk of any use contrary to such directions. **EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESS REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OR GUARANTY, 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 or guaranty exceed the purchase price of the product 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 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.