



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number
252421

Application for Pesticide - Section I

1. Company/Product Number 707-226	2. EPA Product Manager J. Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Stam R 80 EDF Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Rohm and Haas Company 100 Independence Mall West Philadelphia, PA 19106 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: NOTIFICATION EPA Reg. No. _____ DEC 29 1998 Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification - Final printed commercial label (8225-D8) for use in Southern states but not in California.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Metal Plastic Glass Paper Other (Specify) _____		
<i>certification must be submitted</i>		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Completes items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name William T. Lynch		Title Product Registration Manager		Telephone No. (Include Area Code) 215-592-3190	
<p align="center">Certification</p> <p>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.</p>					6. Date Application Received (Stamped)
2. Signature <i>W. T. Lynch</i>		3. Title Product Registration Manager			
4. Typed Name William T. Lynch		5. Date December 21, 1998			

STAM 80 EDR

HERBICIDE

EXTRUDED DRY FLOWABLE

ACTIVE INGREDIENT

propanil

3',4'-dichloropropionanilide 81%

INERT INGREDIENTS 19%

TOTAL 100%

KEEP OUT OF REACH OF CHILDREN
CAUTION

STATEMENT OF PRACTICAL TREATMENT
IF IN EYES: Flush eyes with large amounts of water for at least 15 minutes. Consult a physician if irritation persists.
IF ON SKIN: Wash affected area with soap and water.
IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 to 2 glasses of water and induce vomiting by touching back of throat with finger. Do not give anything by mouth to an unconscious person.
IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. CAUSES MODERATE EYE IRRITATION. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:
• Long-sleeved shirt and long pants • Waterproof gloves • Shoes plus socks
• Protective eyewear

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 Standards (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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water except as specified on this label. Do not treat irrigation ditches, or water used for crop irrigation or water used for domestic uses. Do not contaminate water when disposing of equipment washwaters. Water drained from treated rice fields must not be used to irrigate other crops or released within 1/2 mile upstream of a potable water intake in flowing water (e.g. river, stream, etc.) or within 1/2 mile of a potable water intake in a standing body of water, such as a lake, pond or reservoir.

DIRECTIONS FOR USE

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.

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 24 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 • Shoes plus socks • Protective eyewear

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Do not use, pour, spill or store near heat or open flame. If entire contents are not used, protect remaining material from moisture and heat. Resealing by rolling top down and storage under roof are recommended.

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

PAPER BAGS: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep or shovel into containers for disposal or reworking. Keep dusting to a minimum. Flush contaminated area with a large amount of water to a chemical or sanitary sewer containing a settling pit.

NOTICE: Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions on front and back panel. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

EPA Reg. No. 707-226
EPA Est. No. 5905-IA-01

ROHM AND HAAS COMPANY, 100 INDEPENDENCE MALL WEST,
PHILADELPHIA, PA 19106-2399, TELEPHONE: (215) 592-3000
MADE IN U.S.A.



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CONDITIONS OF SALE AND WARRANTY

Rohm and Haas warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

CHEMIGATION

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

GENERAL INFORMATION

FOR USE ON RICE GROWN IN SOUTHERN UNITED STATES ONLY

(NOT FOR USE IN CALIFORNIA)

STAM 80 EDF is a selective postemergence herbicide for use in rice only for control of the following weeds:

- *BARNYARDGRASS (WATERGRASS)
- BEAKRUSH (SPEARHEAD)
- COCKSPUR, GULF
- CRABGRASS SPECIES
- CROTON, WOOLLY
- DOCK, CURLY
- FOXTAIL SPECIES
- GOOSEGRASS
- HOORAHGRASS
- MEXICANWEED
- PANICUM, TEXAS
- PARAGRASS
- PIGWEEED, REDROOT
- REDWEED
- SESBANIA, HEMP (COFFEEBEAN)
- SIGNALGRASS, BROADLEAF
- SPKERRUSH (WIREGRASS)

- Echinochloa crus-galli, E. colonum*
- Rhynchospora corniculata*
- Echinochloa crus-gallis*
- Digitaria* spp.
- Croton capitatus*
- Rumex crispus*
- Setaria* spp.
- Eleusine indica*
- Fimbristylis miliacea*
- Cyperonia castaneaefolia*
- Panicum texanum*
- Panicum purpurascens*
- Amaranthus retroflexus*
- Melochia corchorifolia*
- Sesbania exaltata*
- Bracharia platyphylla*
- Eleocharis* spp.

*In isolated instances, biotypes of barnyardgrass may develop that cannot be effectively controlled by propanil alone. Where these biotypes are known or suspected to be present, and are found in a mixed weed population in which STAM is effective, a tank mixture of STAM 80 EDF herbicide at 5 lbs. (4 lbs. active)/A with either Prowl at 1.5 to 2 pints/A or Bolero 8EC at 3 to 4 pints/A, or Facet at labeled rates is recommended to control barnyardgrass up to the 3 leaf stage).

The addition of a crop oil concentrate at 1 to 2 pints per acre or a spray adjuvant, such as LATRON CS-7® or LATRON AG-98® (for other 80% active nonionic surfactant) at a rate of 1 to 2 pints per 100 gallons of spray mixture is recommended. These tank mixtures may reduce crop tolerance and are applied at the user's risk.

Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.

STAM 80 EDF is not a hormone-type herbicide, but kills susceptible weeds by direct contact action. For this reason, thorough coverage of emerged weeds is essential for best results. Only weeds that have emerged and are exposed at time of application will be controlled. STAM 80 EDF herbicide has no preemergence or residual herbicidal activity. Apply STAM 80 EDF herbicide only to fields that have been drained of flood water. STAM 80 EDF herbicide is most effective if applied when susceptible grasses and broadleaf weeds are small and growing actively under favorable soil moisture and weather conditions. Early weed control removes competition, saves moisture and generally contributes to increased yields.

TIMING AND DOSAGE RECOMMENDATIONS

Treat grassy and weedy fields when a satisfactory stand of rice that will tolerate flooding is established. The amount of STAM 80 EDF herbicide to apply depends primarily upon the stage and growth condition of the grasses. The growth stage of the rice is also a factor in dosage and timing limitations, so as to avoid the possibility of excessive residues.

Apply STAM 80 EDF herbicide at the rate of 3.75 to 5.00 lbs. (3 to 4 lbs. active) per acre when the grasses are actively growing in the 1 to early 4 leaf stage. This rate will also control many seedling broadleaf and aquatic weeds. Generally this will be 15 to 25 days after planting of the rice.

STAM 80 EDF herbicide can be applied at the rate of 5.00 to 7.50 lbs. (4 to 6 lbs. active) per acre to actively growing grasses in the 4 to 6 leaf and early tillering stage or when they are in the 2 to 4 leaf stage, but stressed under dry soil conditions. Generally this will be 20 to 30 days after planting of the rice.

The addition of a crop oil concentrate at 1 to 2 pints per acre or a spray adjuvant, such as LATRON CS-7 or LATRON AG-98 (for other 80% active nonionic surfactants) at a rate of 1 to 2 pints per 100 gallons of spray mixture is recommended.

EMERGENCY TREATMENT:

Apply STAM 80 EDF herbicide at the rate of 6.25 to 7.50 lbs. (5 to 6 lbs. active) in 15 gallons of spray per acre for emergency control of older grass. Generally this will be 30 to 40 days after planting. If the field is already flooded, the water should be lowered or drained before spraying to expose more of the grass and weeds. Emergency treatment should be considered as a salvage operation only and cannot be relied upon for total control of grass and weeds.

TO AVOID EXCESSIVE RESIDUES AT HARVEST, DO NOT APPLY AFTER THE END OF TILLERING FOR THE RICE VARIETY BEING TREATED. DO NOT APPLY MORE THAN A MAXIMUM OF SIX POUNDS ACTIVE INGREDIENT PER ACRE IN A SINGLE APPLICATION OR EXCEED EIGHT POUNDS ACTIVE INGREDIENT PER ACRE TOTAL DOSAGE PER SEASON.

MIXING DIRECTIONS

STAM 80 EDF herbicide is an 80% active extruded dry flowable formulation. With the pump and agitator running, slowly add the recommended amount of STAM 80 EDF into a partially filled mix tank for aerial application or spray tank for ground application. The jet or tank agitators must be correctly positioned to create a rippling or rolling action on the liquid surface and to provide complete agitation on the bottom of the tank, preventing dead spots where the material can accumulate. A centrifugal pump is suggested to provide additional propeller shear action for dispersing and mixing this product. Keep filling and bypass lines below the liquid surface. The STAM 80 EDF must be completely dispersed and mixed prior to application.

If a tank mixture is to be applied, conduct a compatibility test prior to use. The order of addition to water should be dry flowables or wettable powders first, flowables second, liquid formulations third and crop oil concentrate last. Allow for each material to go into solution prior to the addition of the next material.

While filling tank to the desired spray water volume, add the crop oil concentrate. Spray water should be clean. STAM 80 EDF will disperse more quickly if water temperature is 50°F or warmer. STAM 80 EDF may be applied with conventional low pressure herbicide sprayers. It is not recommended to add STAM 80 EDF directly to the spray tank or aircraft. Once properly dispersed in mix tank, pump to plane (include rinseate from mix tank). Maintain good agitation throughout application.

APPLICATION EQUIPMENT

Aircraft - Fixed-wing aircraft or helicopters should have well-designed spray systems that produce a uniform pattern of medium-fine spray droplets. Apply STAM 80 EDF herbicide on small grass in no less than 10 gallons of total spray per acre with boom-nozzle sprayers. Increase volume to 12 to 15 gallons per acre for larger or denser stands of grass or during periods of low humidity.

The optimum effective spray swath width depends on operating conditions and type of aircraft being used. For uniform spray coverage with fixed-wing aircraft, do not exceed a spray swath width 10 percent greater than the wingspan or the length of the boom in helicopters. Measure the swaths accurately for flagging.

Ground Sprayers - Use standard low-pressure herbicide sprayers equipped with boom and flat fan nozzles. Use nozzle sizes that deliver a medium-fine droplet in 15 to 20 gallons total spray per acre at 40 to 50 psi and at ground speeds not in excess of 3 to 4 mph. Avoid raising boom too high. Spray patterns should meet uniformly.

Flush all equipment with clear water after each day's use. Clean all equipment, including nurse tanks used for STAM 80 EDF herbicide, with detergent wash followed by a water rinse, BEFORE AND AFTER spraying other pesticides or other crops.

CROP TOLERANCE AND GROWING CONDITIONS

All leading commercial varieties of rice are exceptionally tolerant to STAM 80 EDF herbicide. A temporary yellowing or tip burn of rice may be noted after treatment, but new growth is normal. Severe leaf burn and partial killing of rice may occur if the product is applied when rice is under stress and in a weakened growth condition due to disease or insect infestations, excessive soil salts, overwatering, or prolonged drought and extremely hot weather. Growers are cautioned not to spray under such conditions and/or when maximum daily temperatures have been or are expected to go above 100°F.

EFFECT OF CLIMATIC CONDITIONS AND CULTURAL PRACTICES ON WEED CONTROL

Field and Seedbed Preparation
Fields should be accurately leveled and contoured and have well-prepared seedbeds free of clods. This encourages uniform and rapid emergence of rice, grass and broadleaf weeds and permits better timing and coverage of STAM 80 EDF herbicide sprays resulting in optimum weed control.

Water Management
Before application of STAM 80 EDF herbicide, drained or dry planted fields should be flushed as often as needed to prevent drying and crusting. Flushing encourages uniform emergence and vigorous growth of grass, broadleaf weeds and rice which is essential for best results. Flush fields in sufficient time so that weeds and rice are actively growing at time of treatment. Make sure the field is drained prior to treatment so that grasses and broadleaf weeds are fully exposed. Weeds that are partially submerged in standing water at time of application will not be satisfactorily controlled.

After treatment, treated fields should always be flooded before a second infestation of grass has a chance to develop. To prevent more grass from germinating after treatment, fields should be flooded within 24 hours after spraying, or as soon as possible after 24 hours.

Temperature
The temperature a few days before and after applying STAM 80 EDF herbicide has an important bearing on the weed-killing activity. The activity increases as daily maximum temperatures increase above 75°F and decreases as the daily maximum temperatures decline below 75°F. Do not apply STAM 80 EDF herbicide when maximum temperatures have been or are expected to stay below 65°F or to go above 100°F. Low temperature at time of application is not so important as long as it warms up later during the day.

Relative Humidity and Rain
Grasses and weeds are more responsive to STAM 80 EDF herbicide during periods of high humidity when the foliage is moist or covered by dew. When the humidity is very low, increase spray volume to 12 to 15 gallons per acre for best results. Do not spray when rain threatens within eight hours, to avoid loss of the spray deposit before adsorption by the grass.

Wind
Avoid applications when the wind speed exceeds 10 mph because of drift hazard to sensitive crops and the possibility of uneven (streaked) application.

COMPATIBILITY WITH OTHER CHEMICALS

Tank-mix applications of STAM 80 EDF herbicide with other herbicides, insecticides, or liquid fertilizers may reduce crop tolerance and/or weed control or impair mixing properties. Use of these products in tank-mix applications with STAM 80 EDF herbicide is done at the user's risk.

Insecticides
Severe injury or kill of rice plants may result from tank-mix combinations or separate sprays of STAM 80 EDF herbicide and certain insecticides. Do not combine STAM 80 EDF herbicide with carbamate insecticides such as carbaryl (Sevin, etc.), methomyl (Lannate, Nudrin, etc.) or organophosphorus insecticides such as parathion, methyl parathion, Guthion, malathion, Systox, EPN, Phosphamidon, etc. Do not apply any of the above insecticides to rice fields within 14 days before or after STAM 80 EDF herbicide. Do not use carbamate or systemic organophosphorus insecticides on rice fields to be treated with STAM 80 EDF herbicide.

Do not apply STAM 80 EDF herbicide to rice fields that were planted with rice seed treated with bird repellents containing methiocarb such as Mesuro, Borderland Red, etc. Consult local Extension specialist for current recommendations of approved insecticides on rice.

USE RESTRICTIONS

Do not apply to any crop other than rice. STAM 80 EDF herbicide injures most crops except cereal grains and non-cereal grasses. Avoid drift or accidental application from turning aircraft on cotton, soybeans, corn, safflower, seedling legumes, vegetables, orchards, vineyards, gardens, shrubs and ornamentals. Once applied, it does not release fumes hazardous to nearby crops.

Do not apply to fields where commercial catfish farming is practiced and do not drain water from treated fields into areas where catfish farming is practiced.

STAM and LATRON are registered trademarks of Rohm and Haas Company. Bolero is a registered trademark of Kumiai Chemical Industry Co., LTD for the thibencarb. Facet is a registered trademark of BASF Company. Prowl is a registered trademark of American Cyanamid Company. Guthion is a registered trademark of Bayer AG. Lannate and Nudrin are registered trademarks of E.I. duPont de Nemours & Co. Sevin is a registered trademark of Rhone-Poulenc Inc. ROHM AND HAAS COMPANY, 100 INDEPENDENCE MALL WEST, PHILADELPHIA, PA 19106-2399

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STAM 80 EDR
HERBICIDE
EXTRUDED DRY FLOWABLE

PRODUCT CODE: 7-4586
CONTAINER CODE: 8225-D8/0535