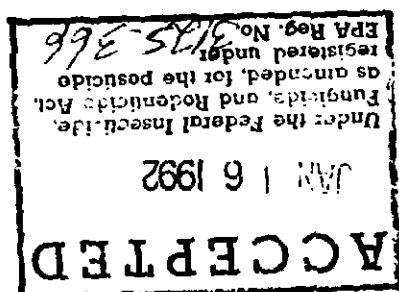


Reg # 3125-366

PM-25

12/16



TURBO[®]

8EC

HERBICIDE

90448

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control of certain grasses and
broadleaf weeds in soybeans and
potatoes

ACTIVE INGREDIENTS:

Metolachlor, 2-chloro-N-(2-ethyl-6-methylphenyl)-N-
(2-methoxy-1-methyl-ethyl)-acetamide 70%
Metribuzin, 4-amino-6-(1,1-dimethylethyl)-3-(methyl-
thio)-1,2,4-triazin-5(4H)-one 15%
INERT INGREDIENTS 15%

Contains 6.55 pounds of metolachlor and 1.45 pounds of
metribuzin per gallon.

U.S. Patent No. 3,937,730

EPA Reg. No. 3125-366

KEEP OUT OF REACH OF CHILDREN.

CAUTION

(See Next Page for Additional Precautions and Statements
of Practical Treatment)

STOP-READ THE LABEL BEFORE USE.

Mobay
A Bayer USA INC COMPANY

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**CAUTION.
PRECAUTIONARY STATEMENTS.
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS.**

May be harmful if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation. This product causes allergic skin reactions. Wear protective clothing (coveralls and gloves) while handling or using this product. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly with soap and warm water after handling. Wash contaminated clothing with soap and hot water before reuse.

Keep out of reach of children.

Obtain prompt medical aid if poisoning should occur.

To Physician: No specific antidote is available. Treat the patient symptomatically.

Symptoms of Poisoning: The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by breathing difficulties and sedation.

**STATEMENTS OF PRACTICAL
TREATMENT.**

If in eyes, immediately flush eyes with plenty of water for at least 15 minutes. For further treatment get medical attention. If swallowed, call a physician or poison control center. Vomiting should be induced. Administer water freely, and induce vomiting by giving one ounce (7.2 oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose, if syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person. Professional medical assistance should be secured immediately. If on skin, wash thoroughly with soap and warm water.

ENVIRONMENTAL HAZARDS.

Do not use on other crops grown for food or forage. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from areas treated. Apply this product only as specified on this label.

Do not allow sprays to drift on to adjacent desirable plants.

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Observe all cautions and limitations on labeling of all products used in mixtures.

AVISO

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que le expliquen la forma de emplearlo.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

DIRECTIONS FOR USE.

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

Do not contaminate feed or food.

IMPORTANT: Read these entire Directions for Use and Conditions of Sale before using TURBO SEC herbicide.

CONDITIONS OF SALE: The directions on this label were determined through research to be the directions for correct use of this product. This product has been tested for a range of weather conditions similar to those weather conditions that are ordinary and customary in the geographic area where the product is used. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather, or from failure to follow label directions. In addition, failure to follow label directions may cause injury to other crops, animals, man, or the environment. Moberg offers, and the buyer accepts and uses, this product subject to the conditions that extraordinary or unusual weather, or failure to follow label directions are beyond the control of Moberg and are, therefore, the responsibility of the buyer.

RE-ENTRY STATEMENTS.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not re-enter treated areas without protective clothing until the spray has dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings should include those

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statements found under the label heading "Precautionary Statements" and "Re-entry Statements" included on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **WARNING:** Do not enter without appropriate protective clothing until sprays have dried. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash with flowing water for at least 15 minutes. If swallowed, vomiting should be induced. (See Precautionary Statements on label).

GROUNDWATER AND SURFACE WATER ADVISORIES.

Metolachlor has been identified in limited sampling of groundwater and there is the possibility that it may leach through the soil to groundwater, especially where soils are coarse and groundwater is near the surface. Following application and during rainfall events that cause runoff, metolachlor may reach surface water bodies including streams, rivers, and reservoirs.

Care must be taken when using this product to prevent back siphoning into wells, spills or improper disposal of excess pesticide, spray mixture or rinsates.

Check valves or antisiphoning devices must be used on all mixing equipment.

Metribuzin is a chemical which can travel (leech or leach) through soil and can contaminate groundwater which may be used as drinking water. Metribuzin has been found in groundwater as a result of agricultural use. Users are advised not to apply metribuzin where the water table (groundwater) is close to the surface and where the soils are very permeable, i.e., well drained soils such as loamy sands. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

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GENERAL INFORMATION.

MIXING: When using TURBO SEC, make sure the sprayer is completely clean, free of rust or corrosion which occurs from winter storage. Examine strainers and screens to be sure the sprayer is clean from previously used pesticides.

Any tank mix containing TURBO SEC should be kept agitated and sprayed out immediately. Do not allow tank mixes to stand for prolonged periods of time.

The proper mixing procedure for TURBO SEC alone or in tank mix combinations with other herbicides is:

(Emulsifiable Concentrates):

1. Fill the spray tank $\frac{1}{4}$ to $\frac{1}{2}$ full with clean water.
2. Add recommended rate of TURBO SEC while recirculating and with agitator running.
3. Follow the triple rinse procedure described under "STORAGE AND DISPOSAL" to insure that all product is removed from the container.
4. Mix thoroughly and add clean water to fill spray tank to desired level.
5. Add the other emulsifiable concentrate herbicide to tank last and agitate thoroughly.
6. Continue agitation during application and until sprayer tank is empty.

(Other Products):

If the tank mix combination is to be made using a wettable powder, liquid solution, liquid flowable, or water dispersible granules, TURBO SEC should be added last after the other herbicide has been thoroughly dispersed.

CHEMIGATION

TURBO SEC is recommended for application through sprinkler irrigation equipment to potatoes as directed on this label. Refer to the "Potatoes" section of this label for recommended rates, weeds controlled or suppressed, restrictions, and special precautions.

Apply this product only through sprinkler (including center pivot, lateral move, or solid set) irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

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Calibration: (Center Pivot and Self-Propelled Lateral Move Systems)

Sprinkler irrigation systems must be accurately calibrated for application of TURBO SEC. Greater accuracy in calibration (and distribution) will be achieved by injecting a larger volume of a more dilute mixture of product and water per hour. Follow the steps below to calibrate center pivot and lateral move systems:

1. Determine number of minutes required to make one complete revolution while applying $\frac{1}{4}$ to $\frac{3}{4}$ inch of water per acre.
2. With the system at operating pressure determine the exact number of minutes required to inject one gallon of water.
3. Divide the time required for one revolution (step 1) by the time required to inject one gallon (step 2). This gives total gallons of product-water mixture to be added to the nurse tank.
4. Add required amount of water to nurse tank and start the irrigation system. Then add sufficient TURBO SEC at the recommended rate (See RECOMMENDED APPLICATIONS) to the nurse tank.

Example

If 20 hours (1200 minutes) were required for one revolution and if 2 minutes were required to inject one gallon, then a total of 600 gallons of product-water mixture are required ($1200/2 = 600$); to treat 135 acres at 2 pints/acre, 270 pints (33.75 gallons) of TURBO SEC are required.

If you have questions about calibration, you should contact State Extension Service Specialist, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

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The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain continuous agitation in the injection nurse tanks during the herbicide application, sufficient to keep herbicide in suspension.

Apply specified dosage in $\frac{1}{4}$ to $\frac{3}{4}$ inch of water ($\frac{1}{4}$ to $\frac{1}{2}$ inch of water on sandy soils) per acre as a continuous injection in center pivot and lateral move systems or in the test 15 to 30 minutes of set in permanent solid set sprinkler systems. Application of more than the quantity of irrigation water recommended on this label may result in decreased product performance by removing the chemical from the zone of effectiveness.

Where sprinkler distribution patterns do not overlap sufficiently unacceptable weed control may result. Where sprinkler distribution patterns overlap excessively crop injury may result. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. To insure that lines are flushed and free of remaining pesticide, an indicator dye may be injected into the lines to mark the end of the application period.

Use a minimum of 1 part water to 1 part herbicide for injection. The use of a larger volume of water will insure greater accuracy and more uniform distribution.

APPLICATION: Use a standard low pressure (20 to 40 psi.) herbicide boom sprayer equipped with suitable nozzles and screens no finer than 50-mesh in-nozzle and in-line strainers. Agitate thoroughly before and during application with bypass agitation.

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Ground Application: Apply the proper rate of TURBO 8EC in a minimum of 10 to 40 gallons of spray mixture per acre broadcast. For banded application, use proportionally less TURBO 8EC per acre in a band versus a broadcast application. For band application, use 1/4 to 1 gallon of spray mix per inch of band width regardless of row spacing.

Examples: To treat a 15-inch band on rows 30 inches apart, use one-half of the broadcast rate of TURBO 8EC. To treat a 14-inch band on rows 42 inches apart, use one-third of the broadcast rate of TURBO 8EC.

Aerial Application: Where permitted, apply specified rate in a minimum of 2 to 10 gallons of spray mixture per acre. Do not apply aerially when wind speed is greater than 10 mph.

FOR ALL APPLICATIONS OF TURBO 8EC: Sprayer must be accurately calibrated before applying TURBO 8EC. Check sprayer during application to be sure it is working properly and delivering a uniform spray pattern. As the volume of spray mixture decreases per acre, the importance of accurate calibration and uniform application increases. Avoid over application, misapplication, and boom and spray swath overlapping that will increase spray dosage. (Crop injury may occur as a result.) Avoid spray skips and gaps which allow weeds to grow in untreated soil. Do not apply when weather conditions favor spray drift and/or when sensitive or cool season crops, such as cole crops, onions, peas or strawberries are present in adjacent fields or in areas where wheat is growing in coarse textured soils.

SPRAYER CLEANUP: Spray equipment must be thoroughly cleaned to remove remaining traces of herbicide that might injure other crops to be sprayed. Drain any remaining spray solution of TURBO 8EC from the spray tank and dispose of according to label disposal instructions. Rinse the spray tank and refill with water, adding a heavy-duty detergent at the rate of one cup per 20 gallons of water. Recycle this mixture through the equipment for 5 minutes and spray out. Repeat this procedure twice. Fill the spray tank with clean water, recycle for 5 minutes and spray out. Clean pump and nozzle screens thoroughly. Wash away any spray mixture from the outside of spray tank, nozzles or spray rig. All rinse water must be disposed of in compliance with local, state and Federal guidelines.

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APPLICATION OF TURBO 8EC IN FLUID FERTILIZERS

TURBO 8EC may be applied in fluid fertilizer solutions to soybeans by following the appropriate mixing procedures and compatibility check. Compatibility checks of TURBO 8EC should be made for each batch of fluid fertilizer because of the variability of these fertilizers.

Compatibility Check:

1. Premix 2 teaspoonfuls of TURBO 8EC with 8 teaspoonfuls of water (1:4 ratio) in a quart jar by adding the water first and follow with TURBO 8EC. Mix thoroughly.
2. Then pour 1 pint of fluid fertilizer into the quart jar and shake well.
3. Allow to stand for 5 minutes.

THIS COMPATIBILITY CHECK SHOULD ONLY BE USED WHEN MIXING WITH FLUID FERTILIZERS.

Interpretation of Results: If the solution in the jar appears to be uniform, without signs of agglomeration, or without a separation of an oily film on top of the fertilizer, the mixture may be used. If not, repeat the compatibility check using twice the amount of water or add a compatibility agent to the water. If separation occurs and can be resuspended by shaking, then application is possible with good agitation in the spray tank.

COMMERCIAL IMPREGNATION AND APPLICATION OF TURBO 8EC ON DRY BULK FERTILIZER

Dry bulk fertilizer may be impregnated or coated with TURBO 8EC for application to soybeans. All recommendations, cautions, and special precautions on the label must be followed along with State regulations relating to dry bulk fertilizer blending, impregnating and labeling.

Impregnation: To impregnate, use a system consisting of a belt, conveyor or closed drum which is used for dry bulk fertilizer blending. Any commonly used fertilizer can be impregnated with TURBO 8EC except ammonium nitrate, or fertilizers containing ammonium nitrate, potassium nitrate, or sodium nitrate. Do not use on powder limestone.

Apply using a minimum of 200 pounds dry bulk fertilizer per acre and up to a maximum of 450 pounds per acre. To impregnate or coat the dry bulk fertilizer with TURBO 8EC, the delivery nozzles must be directed to deliver a fine spray

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toward the fertilizer for thorough coverage while avoiding spray contact with mixing equipment. Uniform impregnation of TURBO SEC to dry bulk fertilizer will vary and if the absorptivity is not adequate, an absorptive powder may be added to produce a dry free-flowing mixture. Microcel E (Johns-Manville Product Corporation) is the recommended absorbent powder. TURBO SEC should be pre-mixed with water to form a sprayable mixture. Apply immediately after application unless experience has shown that impregnated fertilizer can be stored without becoming lumpy and difficult to spread.

Rates: Select the recommended rate of TURBO SEC per acre from the appropriate section of this label and refer to the formula below to determine the amount of TURBO SEC which is to be impregnated on a ton of dry bulk fertilizer based on the amount of fertilizer which will be distributed on one acre.

$$\begin{array}{rcl} \text{Pints TURBO SEC} & \frac{2000}{\text{lbs. Fertilizer}} & \text{Pints TURBO SEC} \\ \text{Per Acre} & \times & \text{per Ton of Fertilizer} \end{array}$$

Application: Uniform application is essential for satisfactory weed control. Accurate calibration of fertilizer application equipment is essential for uniform distribution to the soil surface. The recommended method of application is to apply 1/2 the recommended rate and overlap 50 percent or to double apply by splitting the middles to obtain the best distribution pattern.

If fertilizer materials are excessively dusty, use diesel oil or other suitable additives to reduce dust prior to impregnation as dusty fertilizer will result in poor distribution during application. Crop injury and/or poor weed control may occur where the impregnated fertilizer is not uniformly applied.

SOYBEANS (Except California)

TURBO SEC is recommended for preplant or shallow incorporated, preemergence, SPLIT-SHOT and EXTENDED SPLIT-SHOT application to control certain weeds in soybeans. All applications where permitted can be applied with ground or aerial spray equipment.

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Activation: A minimum amount of soil moisture is required to activate TURBO SEC. In areas of low rainfall, preemergence applications to dry soil should be followed with light irrigation of 1/4 acre inch of water. Do not apply heavy irrigation immediately after application. As with many surface-applied herbicides, weed control and crop tolerance may vary with rainfall and/or soil texture.

Grazing and Feeding Treated Vines: Treated vines may be grazed or fed to livestock 40 days after the application of TURBO SEC.

Rate Ranges: Where a rate range is shown, use a lower rate on soils that are coarse-textured or low in organic matter. Use higher rate on soils that are relatively fine-textured or high in organic matter.

Replanting: If replanting is necessary in fields previously treated with TURBO SEC as directed on this label, the field may be replanted to soybeans. However, a minimum of tillage is recommended. Do not apply a second treatment as injury to soybeans may occur.

SPECIAL PRECAUTIONS (Soybeans)

Injury to soybeans may occur when TURBO SEC is used under the following conditions:

1. When soils have a calcareous surface area or a pH of 7.5 or higher.
2. Due to the sensitivity of certain soybean varieties, TURBO SEC is not recommended for use on sensitive varieties, such as, Atlanta, AP 55, AP 71, Asgrow 6520, Burlington, Coker 102, Coker 156, Dassel, GL 3202, Gowan, Maple Amber, NB 3665, NKS 1884, Paloma 360, Portage, Regal, Semmee, Terra-Vig 505, Terra-Vig 606, Tracy, Vansoy, and Vinton 61. Consult your Mobay representative or your seed supplier for information on the tolerance to TURBO SEC of newly released soybean varieties, prior to use of TURBO SEC.
3. When applied in conjunction with soil-applied organic phosphate pesticides.
4. Over application or boom overlapping may result in crop loss and soil residues.
5. When application or improper incorporation can decrease the level of weed control and/or increase the level of injury.
6. When applied to any soil with less than 1/2% organic matter.
7. Soil incorporation deeper than recommended.

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8. When sprayers are not calibrated accurately.
9. When heavy rains occur soon after application, especially in poorly drained areas where water may stand for several days.
10. When soybeans are planted less than 1 1/2" deep, particularly when TURBO SEC is applied preemergence.
11. Where atrazine carryover is present.
12. When using poor quality soybean seed.

TURBO SEC ALONE

Preplant Incorporated Application: Incorporate TURBO SEC into the top 2 inches of soil within 14 days before planting using a disk, field cultivator, rolling cultivator, or similar implement. Except when shallow mixing, two incorporation passes are recommended. Apply TURBO SEC preplant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If soybeans are planted on beds, apply and incorporate the tank mixture after bed formation.

Preemergence Application: Dry weather following preemergence application of TURBO SEC may reduce effectiveness. If weeds develop, cultivate uniformly with shallow tilling equipment such as a rotary hoe that will not damage soybeans.

For information on applying product in fluid or dry fertilizer refer to "Application of TURBO in Fluid Fertilizers" and "Commercial Impregnation and Application of TURBO on Dry Bulk Fertilizer" on this label.

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Weeds Controlled: TURBO SEC, when applied as directed, will control the following weeds.

Annual Grasses:

Barnyardgrass	Foxtails
Bluegrass	Goosegrass
Broadleaf Signalgrass	Junglecane
Crabgrass	Panicum, Fall
Crowfootgrass	Red Rice
Cupgrass, Prairie	Witchgrass
Cupgrass, Southwestern	

Annual Broadleaves:

Black Nightshade	Purslane
Bristly Starbur	Ragweed, Common
Carpetweed	Redweed
Conspicuous, Hophornbeam	Russian Thistle
Florida Beggarweed	Sesbania
Florida Pusley	Shepherdspurse
Galinsoga	Sicklepod
Jimsonweed	Smartweeds
Knotweed	Spotted spurge
Kochia	Spurred anoda
Lambsquarters	Velvetleaf
Pigweeds	Vernice Mallow
Prickly sida/Tea weed	Wild mustards

TURBO SEC will provide suppression or erratic control (ranging from poor to excellent) of cocklebur, seedling Johnsongrass, hairy nightshade, yellow nutsedge, Texas panicum, sandbur, shattercane, volunteer sorghum and sunflower.

RECOMMENDED APPLICATIONS (Broadcast Rates)

TURBO SEC Pints/Acre

Soil Textures	ORGANIC MATTER	
	0.5 to 3%	Over 3%
Coarse* (Loamy sand, sandy loam)	1 1/2	1 1/4 - 2
Medium (silt loam, silty sandy clay, sandy clay loam)	2 - 2 1/4	2 1/4 - 2 1/2
Fine (Silty clay, silty clay loam, clay clay loam)	2 1/4	2 1/4 - 3 1/4

*Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the US

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- * Do not use on sand soils. On coarse textured soils, do not use on loamy sand soils with less than 2% organic matter.
- * For preplant incorporated application, use the lower rate.
- * For Southern and Southeastern states see section below "In Coarse (Light) Soils Only."

IN COARSE (LIGHT) SOILS ONLY

(Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia.)

TURBO 8EC is recommended for use as a preplant incorporated and preemergence application in coarse-textured, low organic matter soils in the states listed above for the control of certain weeds in soybeans. Refer to the appropriate sections of this label for specific directions on use, recommendations and restrictions.

Mixing: Refer to "Mixing" under the "General Information" section in the front of this label.

Application: For specific application information, refer to "Application" under the "General Information" section in the front of this label.

Weeds Controlled: Refer to the TURBO 8EC alone section in this label for a complete list of weeds controlled.

RECOMMENDED APPLICATIONS TURBO 8EC Preemergence (Broadcast Rates)

Soil Texture	Organic Matter	TURBO 8EC pts/acre
Coarse Soils (Sand, loamy sand, sandy loam)	0.5% or above	1 1/4-2 1/2*

* Not recommended for use on sand with less than 1% organic matter.

* Use the higher rate under heavy weed pressures and/or on soils higher in organic matter. Soybean varieties with a high level of matricurtin tolerance are recommended when using the high rate. For maximum control of sicklepod, use a preemergence application.

Special Precautions: For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label.

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TURBO 8EC PLUS OVERLAY APPLICATION OF SENCOR® HERBICIDE

TURBO 8EC applied preplant or shallow incorporated followed by an overlay application of SENCOR herbicide will control more broadleaf and grass weeds in soybeans than when either herbicide is used alone.

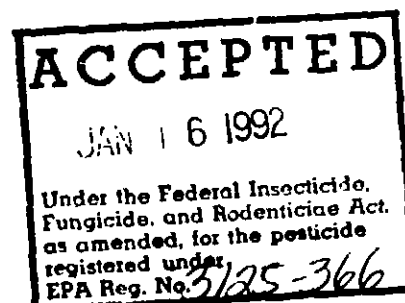
Refer to the SENCOR herbicide label and to appropriate sections of this label for directions for soil preparation, herbicide application, incorporation techniques, and for additional directions on rates, weed species controlled, and special precautions.

Application: Apply TURBO 8EC as a preplant or shallow incorporated application up to 14 days before planting at rates listed below. This is followed by SENCOR alone at the indicated rates as a preemergence overlay application after planting but prior to soybean emergence.

On medium and fine textured soils with greater than 2% organic matter, a rate range is recommended for the SENCOR preemergence overlay application. The higher rate should be used (a) in fields with a history of severe broadleaf weed pressure, (b) when the time between preplant incorporated tank mix and preemergence overlay applications approaches the maximum 14 days as stated above, and/or (c) when the organic matter content of the soil is at the upper end of the indicated range.

Weeds Controlled: In addition to the weeds controlled by TURBO 8EC alone, TURBO with SENCOR will control buffalobur, cocklebur, and sunflower.

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**RECOMMENDED APPLICATIONS
TURBO SEC PLUS SENCOR DF
(Broadcast Rates)**

Soil Texture	Preplant Incorporated Application	-FOLLOWED BY-	Organic Matter (%)		
	TURBO SEC (pts/acre)		0.5-2%	2 to 4%	Over 4%
Coarse* (Sand, loamy sand, sandy loam)	1½	-followed by-	1/6	1/6	1/6-½
Medium (Loam, silt loam, sandy clay loam, silt, sandy clay)	2	-followed by-	1/6	1/6-½	½-½
Fine (Silty clay loam*, clay loam, silty clay, clay)	2½	-followed by-	1/6	1/6-½	½-½

* Silty clay loam soils are transitional soils and may be classified as medium-textured soils in some regions of the U.S.

* Do not use on coarse-textured soil with less than 1% organic matter, a calcareous surface area or a pH of 7.5 or higher.

Special Precautions: For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label and the SENCOR label.

**RECOMMENDED APPLICATIONS
TURBO SEC PLUS SENCOR DF
(Broadcast Rates)**

Soil Texture	Preplant Incorporated Application	-FOLLOWED BY-	Organic Matter (%)		
	TURBO SEC (pts/acre)		0.5-2%	2 to 4%	Over 4%
Coarse* (Sand, loamy sand, sandy loam)	1½	-followed by-	1/6	1/6	1/6-½
Medium (Loam, silt loam, sandy clay loam, silt, sandy clay)	2	-followed by-	1/6	1/6-½	½-½
Fine (Silty clay loam*, clay loam, silty clay, clay)	2½	-followed by-	1/6	1/6-½	½-½

* Silty clay loam soils are transitional soils and may be classified as medium-textured soils in some regions of the U.S.

* Do not use on coarse-textured soil with less than 1% organic matter, a calcareous surface area or a pH of 7.5 or higher.

Special Precautions: For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label and the SENCOR label.

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and/or (c) when the organic matter content of the soil is over 3 percent.

Weeds Controlled: In addition to the weeds controlled by TURBO alone, TURBO SPLIT-SHOT application will control buffalobur, cocklebur, and sunflower.

**RECOMMENDED APPLICATIONS
SPLIT-SHOT APPLICATION
(Broadcast Rates)**

Soil Texture	Preplant Incorporated Application	-FOLLOWED BY-	Preemergence Overseeding Application
	TURBO SEC (pts/acre)		TURBO SEC (pts/acre)
Coarse* (Sand, loamy sand, sandy loam)	1-1½	followed by:	¾-1
Medium (Loam, silt loam, sandy clay loam, silt, sandy clay)	1½-2	followed by:	¾-1
Fine (Silty clay loam*, clay loam, silty clay, clay)	2-2½*	followed by:	¾-1*

*Silty clay loam soils are transitional soils and may be classified as medium-textured soils in some regions of the US.

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*Do not use on coarse-textured soil with less than 1% organic matter, calcareous surface area or a pH of 7.5 or higher.

*Total not to exceed 3 pts/acre on soils with organic matter less than 3 percent.

Special Precautions: For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label.

**TURBO SEC PLUS SCEPTER®
TANK MIX APPLICATION**

TURBO SEC may be applied with Scepter herbicide (1.5 lb/gal liquid or 70 DG) as a preplant incorporated, pre-emergence broadcast or band application, for the control of certain broadleaf weeds and grasses in soybeans. Consult the Scepter label for specific directions on use, recommendations, restrictions and any additional weeds not specified on this label.

Mixing: Refer to "Mixing" under the "General Information" section in the front of this label.

Application: For specific application information, refer to "Application" under the "General Information" section in the front of this label.

Weeds Controlled: In addition to weeds controlled by TURBO alone, TURBO plus Scepter will control the following annual broadleaf weeds:

Buffalobur	Morningglory, smallflower
Cocklebur	Sicklepod
Morningglory, pitted	Sunflower

TURBO SEC plus Scepter will provide suppression (reduce the competition) of ivyleaf and tall morningglory, and giant ragweed.

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**RECOMMENDED APPLICATIONS
TURBO SEC PLUS SCEPTER
(Broadcast Rates)**

Soil Texture	TURBO SEC [®] (pts/acre)	Scepter 1.5 AS [®] (pts/acre) OR	Scepter 70 DG [®] (oz/acre)
Coarse (sandy sand, silty loam)	1½"	½ - ¾"	1.4 - 2.1
Medium (Loam, silt loam, silt, sandy clay, sandy clay loam)	1½ - 2½"	½ - ¾"	1.4 - 2.1
Fine (Silty clay, silty clay loam*, clay, clay loam)	2½ - 3½"	½ - ¾"	1.4 - 2.1

*Silty clay loam soils are transitional soils and may be classified as medium-textured soils in some regions of the US.

• Higher rate is recommended on soils with organic matter greater than 3%.

• For preemergence application, use the higher rate. For maximum control of moderate to heavy infestations of cocklebur, giant ragweed and sicklepod, use the higher rate and a preplant incorporated application.

• For Southern and Southeastern states in coarse soils, see the "In Coarse (Light) Soils Only" section of this label for TURBO rates.

Special Precautions: For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this and the Scepter label.

Do not use vines treated with Scepter for feed or forage.

SEQUENTIAL APPLICATION OF SCEPTER FOLLOWING TURBO SEC

If needed, application of TURBO SEC alone or in a registered tank mix according to directions on this label, may be followed by an early postemergence application of Scepter herbicide for control of cocklebur. Apply ½ to ¾ pint of Scepter (0.7 to 1.4 ounces of Scepter 70 DG) in a minimum of 20 gallons of water per acre. Use ½ pint of Scepter (0.7 ounce of Scepter 70 DG) if cockleburs are less than 3 inches tall or have fewer than 3 leaves and are actively growing. For cockleburs less than 6 inches tall and actively growing use ¾ pint (1.4 ounces of Scepter 70 DG) per acre. Do not use Scepter when soybeans or cockleburs have been subjected to stress conditions such as temperature or moisture extremes. Do not exceed a total of ¾ pint of Scepter (2.8 ounces of Scepter 70 DG) per acre in one season. Wait at least 10 days after application of Scepter before cultivating.

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When preparing the spray mixture with Scepter, add 2 pints of nonionic surfactant approved for use on growing crops and containing at least 80% active ingredient per 100 gallons of mixture. Apply crop oil concentrate (COC) at the rate specified on the COC label.

Use Scepter only in the states where it is registered as listed on the product label.

Apply Scepter at least 90 days before harvest of soybeans. Do not graze or feed soybean forage, hay, or straw to livestock.

Refer to the Scepter label for additional cautions and precautions, directions, limitations, and information on environmental hazards and planting of rotational crops.

TURBO PLUS CANOPY[®] TANK-MIX APPLICATION

A tank-mix combination of TURBO SEC plus Canopy (75 DG) herbicide is recommended for control of the following weeds in soybeans:

Weeds Controlled

Annual Grasses:

Barnyardgrass
Bluegrass
Broadleaf signalgrass
Browntop millet
Crabgrass
Crowfootgrass
Foxtails
Goosegrass

Johnsongrass (seeding)
Jungle rice
Panicum, Fall
Panicum, Texas
Scribbler
Sprangletop
Spikegrass

Annual Broadleaves:

Bristly starbur
Carpetweed
Cocklebur
Copperleaf, Hophornbeam
Florida beggarweed
Florida pusley
Galinsoga
Jimsonweed
Kochia
Lambquarters
Pigweed
Pigweed Side/Tea-weed

Purslane
Ragweed, Common
Redweed
Russian thistle
Sesbania
Shepherdspurse
Smartweed
Spurred anoda
Velvetleaf
Venice mallow
Wild mustard

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Apply this tank-mix combination broadcast pre-emergence or broadcast preplant incorporated. Refer to the table below for the recommended rates of each product to be used in the tank-mix combination.

**TURBO BEC plus Canopy (75 DG) Tank-Mix
Preemergence or Preplant Incorporated Application
(Broadcast Rates)**

Soil Texture ¹	TURBO BEC ² (pts/acre)	CANOPY (75 DG) (ozt/acre)
Coarse (loamy sand or sandy loam)	1½ ³	3
Medium (loam, silt loam, silty sandy clay, sandy clay loam)	1½-2½	3
Fine (silty clay, silty clay loam*, clay, clay loam)	2½-2½	3-4

*Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the US.

¹ Do not use on soils with pH greater than 7.0.

² Use higher rate on soils with more than 3% organic matter.

³ For Southern and Southeastern States in coarse soils, see the "In Coarse (Light) Soils Only" section of this label for rates of TURBO BEC.

Refer to the "General Information" section of this label for mixing and application directions.

IMPORTANT: If weeds escape in fields treated with this tank-mix combination, postemergence application of a registered and recommended herbicide will be needed for control.

SPECIAL PRECAUTIONS:

Do not use treated vines for feed or forage.

For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label and the label for Canopy.

Observe all cautions and limitations on labeling of all products used in mixtures.

**TURBO BEC PLUS COMMAND®
TANK MIX APPLICATION**

TURBO BEC may be applied with Command 4 EC as a preplant or shallow incorporated broadcast application for the control of certain broadleaf weeds and grasses in soybeans. Consult the Command label for specific directions for use, recommendations and restrictions not specified on this label.

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Mixing: Refer to "Mixing" under the "General Information" section in the front of this label.

Application: For specific application information, refer to "Application" under the "General Information" section in the front of this label.

Weeds Controlled: In addition to weeds controlled by TURBO alone, TURBO plus Command will provide improved control of heavy infestations of velvetleaf, jimsonweed and common ragweed.

**RECOMMENDED APPLICATIONS
TURBO PLUS COMMAND
(Broadcast Rates)**

Soil Texture	TURBO BEC ² (pts/acre)	Command 4EC (pts/acre)
Coarse (Loamy sand, sandy loam)	1½-1½ ³	½-½
Medium (Loam, silt loam, silty sandy clay, sandy clay loam)	1½-2½	½-½
Fine (Silty clay, silty clay loam*, clay, clay loam)	2½-2½	½-½

*Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the US.

¹ Higher rate is recommended on soils with organic matter greater than 3%.

² For Southern and Southeastern states in coarse soils, see the "In Coarse (Light) Soils Only" section of this label for TURBO rates.

Special Precautions: Do not plant wheat, oats, barley, rye or alfalfa in the Fall or following Spring after application as crop injury may occur.

Do not use vines treated with Command for feed or forage.

For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label and the Command label.

Do not apply where weather conditions favor drift.

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TURBO 8EC in REDUCED-TILLAGE OR NO-TILL SYSTEMS

Application: TURBO 8EC may be applied in combination with Gramoxone® Extra, Roundup® or 2,4-D low volatile ester for the control of annual grasses and broadleaf weeds and suppression of emerged perennial weeds where soybeans are directly seeded into a stale seed bed, cover crop, or in previous crop residues.

Special Precaution: Poor weed control and/or crop injury may result if directions are not followed. Do not use a rib-type press wheel on your no-till planter or crop injury may result. For additional precautions, restrictions, limitations, and sprayer clean-up information, refer to the appropriate sections of the Gramoxone Extra, Roundup, 2,4-D low volatile ester labels and this label.

TURBO 8EC plus Gramoxone Application: Apply 0.8 to 1.6 pints of Gramoxone with TURBO 8EC at the rates listed below as a preemergence broadcast ground spray. Use the higher rate of Gramoxone for weeds 4 to 6 inches tall. Soybeans exposed at the time of application will be killed. Apply in 20 to 60 gallons spray mix per acre. Use the higher volume in fields with heavy weed infestation or with large amounts of previous crop residues. When a surfactant is needed, add Ortho X-77® Spreader or similar non-ionic spreader at 8 fl. ounces per 100 gallons of diluted spray. Refer to the Gramoxone Extra label for rates, directions, limitations, and precautions.

TURBO 8EC plus Roundup Application: Apply 1 to 1.5 quarts of Roundup with TURBO 8EC rates listed below as a preemergence broadcast ground spray. Use the higher rates of Roundup for weeds greater than 6 inches tall. Refer to the Roundup label for additional rate information, directions, limitations, and precautions.

TURBO 8EC plus 2,4-D Low Volatile Ester Application: Apply 1.0 lb active ingredient (ai) per acre of 2,4-D low volatile ester with TURBO 8EC at rates listed below as an early preplant surface application. Application is recommended 30 days prior to planting. Refer to the 2,4-D low volatile ester label for additional rate information, directions, limitations, and precautions.

Weeds Controlled: TURBO 8EC herbicide combinations will control the weeds listed in the TURBO 8EC alone section. Refer to the Gramoxone, Roundup or 2,4-D low volatile ester labels for additional weeds controlled.

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RECOMMENDED APPLICATIONS NO-TILL OR REDUCED-TILL (Broadcast Rates)

Soil Texture	TURBO 8EC Pints/acre
Coarse* (Loamy sand, sandy loam)	1½-2½
Medium (Loam, silt loam, silt, sandy clay, sandy clay loam)	2½-3
Fine (Silty clay, silty clay loam, clay, clay loam)	3-3½

* Use low rate range for low trash level or soils with less than 3% organic matter. Use the higher rate range for high trash level or soils with greater than 3% organic matter.

* Do not use on sand soils. On coarse-textured soils, do not use on loamy sand soils with less than 2% organic matter.

* Silty clay loam soils are transitional soils and may be classified as medium-textured soils in some regions of the US.

EXTENDED SPLIT-SHOT APPLICATION

An early preplant (surface-applied or shallow incorporated) application of TURBO 8EC, followed by a preemergence surface application of TURBO 8EC after planting but prior to soybean emergence, will provide more consistent control of broadleaf and grass weeds than a single application.

An EXTENDED SPLIT-SHOT application will decrease the need for tillage and/or contact herbicides for the control of existing vegetation prior to planting, while providing residual control of weeds after planting.

Application: An early preplant application may be made 15 to 30 days prior to planting soybeans. Follow this application with a preemergence overlay application after planting but before crop emergence. Follow directions on this label for SPLIT-SHOT applications from 0 to 14 days before planting. Where a rate range is recommended, the higher rates should be used (a) in fields with a history of severe weed pressure, (b) when the time between early preplant and preemergence overlay applications approaches the maximum 30 days, (c) when the organic matter content of the soil is over 3 percent, and/or (d) when heavy crop residues are present on the soil surface.

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When weeds exceed 1 to 1½ inches in height or diameter at application, use a contact herbicide, such as Round-Up or Gramoxone.

Weeds Controlled: In addition to the weeds controlled by TURBO BEC alone, the EXTENDED SPLIT-SHOT application will control buffalograss, cocklebur and sunflower.

**RECOMMENDED APPLICATIONS
EXTENDED SPLIT-SHOT APPLICATION
(Broadcast Rates)**

Soil Texture	Early Preplant Application	FOLLOWED BY:	Preemergence Overlay Application
	TURBO BEC pts/acre		TURBO BEC pts/acre
Coarse (Sand, loamy sand, sandy loam)	1½-2	Followed by:	½-1½
Medium (Loam, silt loam, sandy clay loam, silt. sandy clay)	1½-2½	Followed by:	1-1½
Fine (Silty clay loam*, clay loam, silty clay, clay)	2-2½*	Followed by:	1½-1¾*

*Silty clay loam soils are transitional soils and may be classified as medium-textured soils in some regions of the U.S.

*On coarse-textured soils, do not use on sand soils with less than 1% organic matter. However, on coarse-textured soils with a calcareous surface area or a pH of 7.5 or higher, do not use on sand soils with less than 2% organic matter, or on loamy sand or sandy loam soils with less than 1% organic matter.

*Total not to exceed 3½ pts/acre per use season

POTATOES (Except California)

TURBO BEC is recommended for preemergence or post-emergence broadcast application for control of certain broadleaf weeds and grasses in potatoes.

Preemergence Application: Apply with ground spray equipment (except air blast sprayers), aerial spray equipment or in sprinkler irrigation water as a preemergence broadcast application. Apply after planting but before crop emergence, or apply after drag-off if this operation is part of the usual cultural practice.

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Postemergence Application: Apply postemergence only in sprinkler irrigation water after drag-off but not later than 60 days of harvest. Refer to the "Chemigation" section of this label for application information.

Weeds Controlled: TURBO BEC, applied to potatoes according to directions, will effectively control:

Annual Grasses:

Barrygrass	Goosegrass
Broadleaf Signalgrass	Junglegrass
Crabgrass	Nutsedge, Yellow
Crowfootgrass	Panicum, Fall
Cupgrass, Prairie	Red Rice
Cupgrass, Southwestern	Witchgrass
Foxtails	

Annual Broadleaves:

Black Nightshade	Sesbania
Carpetweed	Shepherdspurse
Galinsoga	Sicklepod
Jimsonweed	Smartweed, Pennsylvania
Lambsquarters	Velvetleaf
Pigweeds, Annual	Vernice Mallow
Prickly sida	Wild mustards
Ragweed, Common	
Russian Thistle	

TURBO BEC will suppress (reduce the competition of) cocklebur, common purslane, hairy nightshade, Johnsongrass (seedling), Kochia, sandbur, and volunteer sorghum.

**RECOMMENDED APPLICATIONS
Preemergence Application
(Broadcast Rates)**

Soil Texture	TURBO BEC Pts/Acre	
	ORGANIC MATTER	
	0.5 to 2%	Over 2%
Coarse (Loamy sand, sandy loam)	2-2½	2½-3
Fin/Fine (Loam, silt loam, silt sandy clay, sandy clay loam, silty clay, silty clay loam, clay clay loam)	3-3½	3½-4

* Do not use on sand soils
Silty clay loam soils are transitional soils and may be classified as medium-textured soils in some regions of the U.S.

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**RECOMMENDED APPLICATIONS
For Postemergence Application in
Sprinkler Irrigation Water Only
(Broadcast Rates)**

Soil Texture	RATE TURBO SEC Pints/Acre
Coarse (sandy sand, sandy loam)	2
Medium/Fine (Loam, silt loam, silt, sandy clay, sandy clay loam, silty clay, silty clay loam, clay, clay loam)	2 to 2½

* Crop injury may occur on sand soils with less than 0.5% organic matter.

* Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

Special Precautions: TURBO SEC can be applied two times per year, but not more than a total of 5½ pints per acre.

Do not apply within 24 hours of application of insecticides. Postemergence applications can be made only on russeted or white skinned varieties of potatoes that are not early maturing and are not one of the sensitive varieties listed below. Crop injury may occur if TURBO SEC is applied within 3 days of cool, wet or cloudy weather.

Preemergence and postemergence applications of TURBO SEC to early maturing varieties and Atlantic, Belchipp, Centennial, Chipbelle, Shepody and Superior varieties may cause crop injury, delayed maturity and/or reduced yields especially under adverse weather conditions and/or when maximum label rates are used.

Do not apply to sweet potatoes or to yams.

Do not harvest within 60 days of application.

Do not apply after June 30 in Idaho, Oregon, or Washington if treated land will be planted to crops other than potatoes. Do not plant sensitive crops such as onions, lettuce, sugar beets, cole crops and cucurbits during the next growing season following application of TURBO SEC or injury may occur.

Do not use on muck or peat soils.

Postemergence Sequential Applications with SENCOR: Preemergence application of TURBO SEC may be followed by a single postemergence application of ½ to 1 pint/acre of SENCOR 4 or ½ to ¾ pounds/acre of SENCOR DF. If TURBO SEC is used on medium/fine soils with greater than 3% organic matter, use ½ pint of SENCOR 4 or ½ pound of SENCOR DF. For additional precautions, restrictions and limitations, refer to the appropriate section of this label and the label for SENCOR 4 or SENCOR DF.

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CROP-ROTATION RECOMMENDATIONS*

Waiting Period After Application of TURBO SEC*

4½ Months	8 Months	12 Months	18 Months
Winter Barley Winter Wheat	Com Cotton Peas Potatoes Rice Soybeans Spring Barley Spring Wheat	Alfalfa Asparagus Forage Grasses Lentils Santoni Sugarcane Tomatoes Other Crops not listed (except root crops)	Onions Sugar Beets And Other Root Crops

* Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed. Stand reductions may occur in some areas.

* Crop rotation recommendations do not include the tank mix applications of Scepter or Command plus TURBO. Refer to the label of the other product for additional restrictions.

STORAGE AND DISPOSAL

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

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equiv.). Then 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.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized

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ized people away. You may contact the Mobay Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300.

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