

3 LB. CHLORATE DEFOLIANT DESICCANT

ACTIVE INGREDIENT:

Sodium Chlorate 27.50%

INERT INGREDIENTS: 72.50%

TOTAL 100.00%

1 Gallon of 3 LB. CHLORATE DEFOLIANT DESICCANT contains 3 pounds of Sodium Chlorate with a fire retardant

KEEP OUT OF REACH OF CHILDREN

CAUTION

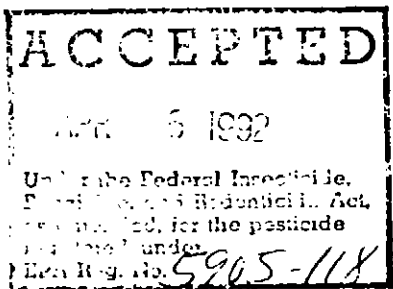
Avoid contact with eyes, skin and clothing. In case of contact with product flush eyes with water. Avoid inhaling spray mist. May cause skin irritation. Avoid contamination of food stuffs. Harmful if swallowed. If swallowed call a physician immediately.

See Inside Panel For Additional Precautionary Statements

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

EPA REG. NO. 5905-118

EPA EST. NO.



NET CONTENTS:

**MANUFACTURED BY
HELENA CHEMICAL COMPANY
MEMPHIS, TN 38119**



0-116

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

CAUTION

Harmful if swallowed. Avoid breathing spray mist. May cause irritation of nose, throat and skin. Avoid contact with eyes, skin and clothing. Do not contaminate feed and food stuff. Keep children and domestic animals off treated areas until this material has been washed into the soil.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation develops.

IF ON SKIN: Immediately remove contaminated clothing, INCLUDING SHOES, and wash skin with soap and plenty of water. If irritation develops, see a physician.

ENVIRONMENTAL HAZARDS

Do not apply directly to any body of water. Do not contaminate water by disposal of equipment washwaters.

DIRECTIONS FOR USE

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

RE-ENTRY

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 enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry 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 must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information: "CAUTION: Area treated with 3 LB. CHLORATE DEFOLIANT DESICCANT on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to 3 LB. CHLORATE DEFOLIANT DESICCANT and describe his condition." For further information see the Statement of Practical Treatment section of the pesticide label.

CHEMIGATION PROHIBITION

Do not apply this product through any type of irrigation system.

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STORAGE AND DISPOSAL

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

Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool dry area away from any heat or ignition source. Do not stack plastic containers (4 x 1 gal. or 2x2.5 gal.) over 2 pallets high. Do not stack metal containers over 4 pallets high. Move containers by handles or cases. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. Unloading storage and work areas must be as clean as possible to prevent contamination if spilled. If concentrate or spray solution is allowed to dry on flammable objects the chlorate component can act as an oxidizer. If the contents are leaking or material is spilled follow these steps:

1. Contain spill, absorb with a material such as saw dust, clay granules or dirt.
2. Collect and place in suitable containers for disposal.
3. Wash area with water and soap to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Clothing contaminated with chlorate solution must be removed at once before solution dries. Dried contaminated clothes can be ignited easily. Wash contaminated clothing immediately.
6. Do not allow run off to enter sewer or contaminate water supplies.
7. Dispose of waste as indicated below.

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

CONTAINER: Triple rinse (or equivalent.) 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.

GENERAL INFORMATION

Weather conditions and plant conditions affect defoliation. Weather conditions that favor good defoliation are high temperature, high humidity, low wind velocity, high to adequate soil moisture. Plant conditions which favor good defoliation are ample fertility and moisture, complete insect control. Nutrients should be ample but not too much nitrogen. LEAVES SHOULD BE GREEN AND TURGID (NOT WILTED, TOUGHENED OR STUNNED BY LACK OF FERTILIZERS).

3 LB. CHLORATE DEFOLIANT DESICCANT may be applied by aircraft or ground equipment. It is important that the foliage be uniformly and thoroughly covered. The specified dilution rates should be carefully observed. A nonionic surfactant containing 80% or more surface active agent, such as **INDUCE**, at the rate of 1/4 to 1/2% v/v concentration may enhance results. Or, the addition of a nonionic crop oil concentrate containing 80-85% petroleum or vegetable based oil and 15-20% emulsifier, such as **AGRIDEX**, can be used at the rate of 1/2-1% v/v.

MATURITY - Boll load heavy, all bolls mature, vegetative growth ceased, little or no second growth. Conditions which contribute to poor defoliation are those adverse to the above.

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DIRECTIONS

CHILIPEPPERS - Apply 1 to 2-1/2 gallons per acre in 5 to 15 gallons of water by aircraft and 20 to 40 gallons of water by ground rig. To be used on peppers for processing only. Apply 10 days before harvest. When grown for processing, consult a processor before applying.

CORN - 3 LB. SODIUM CHLORATE may be used as a harvest aid for desiccation of trashy weeds in early maturing corn. Use 2 gallons 3 LB. SODIUM CHLORATE in 5 to 7 gallons of water per acre by air. Apply at least 14 days before anticipated harvest date on clear days when temperature is expected to go above 70° F. Use the 5 gallon rate when weeds are small and the crop canopy is fairly open.

NOTE: DO NOT graze treated fields or feed fodder, forage or residual seeds within 14 days of application.

COTTON: Defoliation - Apply 2 to 3 weeks prior to anticipated picking date. Do not treat later than 7 to 10 days prior to harvest. Thorough coverage of the plant is essential. A second application may be required under some conditions. **AIRPLANE APPLICATION** - 1 to 1-1/2 gals. per acre in sufficient water to make 5 to 10 gals. total solution per acre. Use the lower rate when plants and weather conditions are ideal for defoliation. Swath width should not exceed wing spread; altitude and speed of aircraft should be regulated to give spray coverage. Do not apply during periods of excessive wind as spray may drift and cause defoliation of adjoining cotton or injury to other crops. Do not apply during very high temperature found in some areas at mid-day. **GROUND MACHINE APPLICATION:** 1 to 1-1/2 gals. per acre in sufficient water to make 20 to 30 gals. total solution per acre. Usually 6 to 8 nozzles per row are necessary to obtain good coverage of all leaves. Flush out equipment with water after each day's work. Cotton defoliant should be applied when 70% of the bolls are open. Poor defoliation often occurs under unfavorable weather, soil moisture, fertility and plant conditions. Uniform defoliation within a field may sometimes be difficult to obtain because of irregular plant maturity. Satisfactory defoliation may not be obtained when cotton plants are suffering from lack of moisture or when plant growth is retarded by cold weather. Do not graze treated areas or feed gin waste to livestock.

DRY BEANS: Apply at a rate of 2 gallons per acre in 5 to 10 gallons of water by air or 10 to 20 gallons of water by ground equipment. Thorough coverage is essential. Make application 7 - 10 days before anticipated harvest, longer if temperatures are cool. **DO NOT** graze treated fields or feed treated fodder or forage to livestock.

FLAX - For Use As A Harvest Aid: To desiccate trashy weeds and desiccate the mature crop, apply 2 gallons 3 LB. SODIUM CHLORATE per acre in enough water to give thorough coverage. Make application on bright, sunny days (preferably when temperature is above 60° F.) 7 to 10 days before anticipated harvest date. For air application, use minimum of 5 gallons ready-to-apply material per acre. Activity of the spray will be enhanced by the addition of a good nonionic surfactant at the rate of 1 quart per 100 gallons of spray. **DO NOT** graze treated fields or feed treated flax foliage or fodder for 14 days after application.

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GRAIN SORGHUM: As a desiccant: apply 1-1/2 to 2 gallons per acre in 12 to 15 gallons of water 7 to 10 days before harvest.

GUAR BEANS - To facilitate harvest and reduce bean seed moisture: apply 2 gallons of 3 LB. **SODIUM CHLORATE** in enough water to provide thorough coverage either by aircraft or ground equipment. Make application 7-10 days before anticipated harvest date. Do not apply under conditions of extreme heat during the middle of the day. For air application, use 5-10 gallons of total solution per acre; for ground application use a minimum of 20 gallons of total solution per acre. **NOTE: DO NOT** graze treated fields or feed treated fodder or forage to livestock.

RICE - To facilitate harvest and reduce moisture in the fully mature seed heads, and to desiccate immature red rice in mature white rice: apply by air 1-1/4 to 2 gallons per acre in 5 or more gallons of water. Use the lower rate when crop conditions and weather are right to enhance rapid drying. Make application 7 to 10 days before anticipated harvest date. To avoid drift do not apply during windy weather. Thorough coverage of the crop is essential to achieve good results. **DO NOT** graze treated fields or feed treated straw or crop residues within 14 days of application.

SAFFLOWERS - To facilitate harvest and reduce moisture in the fully mature seed heads: apply 2 gallons in 5 to 10 gallons of water per acre by air or in 20 to 30 gallons by ground equipment. Make application 7 or more days before normal harvest when safflower heads are fully mature.

SOUTHERN PEAS - Apply at a rate of 2 gallons per acre in 5 to 10 gallons of water by air or 10 to 20 gallons by ground equipment. Thorough coverage is essential. Make application 7 to 10 days before anticipated harvest, longer if temperatures are cool. **DO NOT** graze treated fields or feed treated fodder or forage to livestock.

SOYBEANS: As a soybean harvest aid to dry weeds in early maturing soybeans and to facilitate the harvest: apply 2 gallons of 3 LB. **SODIUM CHLORATE** per acre in enough water to give thorough coverage; application may be made by ground equipment or aircraft. Make application 7 to 10 days before anticipated harvesting date when beans are mature and ready for harvest. For air application use a minimum of 5 gallons ready-to-apply spray solution per acre; for ground equipment apply a minimum of 20 gallons of ready-to-apply spray solution per acre. Do not graze treated fields or feed treated soybean foliage.

SUNFLOWER - To facilitate harvest and reduce moisture in the fully mature seed heads: apply 2 gallons in sufficient water to give good coverage. Make application 7 or more days before normal harvest when sunflower heads are fully mature. Apply in 5 to 10 gallons of water per acre by air or in 20 to 30 gallons of water per acre by ground with a high clearance sprayer. Do not apply later than 7 days before harvest. **DO NOT** graze treated fields or feed treated forage within 14 days of application.

MIXING: Agitate 3 LB. **SODIUM CHLORATE DEFOLIANT-DESICCANT** in water until completely dissolved. Use mechanical agitator.

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**CONDITIONS OF SALE - LIMITED WARRANTY
AND LIMITATIONS OF LIABILITY AND REMEDIES**

The directions on this label are believed to be reliable and should be followed carefully. 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 conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damage and in no event shall damages or any other recovery of any kind against the Company exceed the price of the product which causes the alleged loss, damage, injury, or other claim. The Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income.

The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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