

Reg. # 5905-461

PM - 25

176

6 LB. SODIUM CHLORATE DEFOLIANT-DESICCANT

ACTIVE INGREDIENT:

Sodium Chlorate 47.2%

INERT INGREDIENTS: 52.8%

TOTAL 100.0%

One Gallon of product contains 6.0 lbs. of Sodium Chlorate plus fire retardant.

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

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

For Additional Precautions and Statements of Practical Treatment See Inside Label.

EPA REG. NO. 5905-461

EPA EST. NO.

ACCEPTED

MAY 10 1992

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 5905-461

NET CONTENTS

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes eye damage. Harmful or fatal if swallowed. Do not get in eyes or on clothing. Wear goggles or face shield when handling this product. Avoid contact with skin. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush with water for 15 minutes. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF SWALLOWED: Drink immediately a large quantity of either milk, egg whites or gelatin solution. If these are not available drink a large quantity of water. Avoid alcohol. Get medical attention.

NOTE TO PHYSICIAN: Probable mucosal damage. Use of gastric lavage may be contraindicated..

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Clean and wash spray equipment before and after use and do not allow washwater to contact desirable plants.

PHYSICAL AND CHEMICAL HAZARDS

To avoid fire or explosion do not mix with insecticides.

DIRECTIONS FOR USE

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

CHEMIGATION PROHIBITION

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

STORAGE AND DISPOSAL

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

Storage Instructions: 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 (4x1 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:

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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 DISPOSAL: 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.

RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have 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.

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.

Written or oral warnings must be given to workers who are expected to be in a treated area or an area about to be treated with this product. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure.) 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: 'DANGER: Area treated with Sodium Chlorate on (date of application). Do not enter without appropriate protective clothing until sprays have dried.'

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).**

MATURITY- Boll load heavy, most bolls mature, vegetative growth ceased, little or no second growth.

BEANS, DRY - To facilitate harvest and reduce bean seed moisture, apply 1 gallon of 6 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

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solution per acre; for ground application, use a minimum of 20 gallons of total solution per acre. Do not graze treated fields or feed treated fodder or forage to livestock.

CHILIPEPPERS - Apply 1/2 to 1-1/4 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.

GUAR BEANS - To facilitate harvest and reduce bean seed moisture, apply 1 gallon of 6 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. Do not graze treated fields or feed treated fodder or forage to livestock

COTTON - Defoliation - Do not treat later than 7 to 10 days prior to harvest. Thorough coverage of the plant is essential.

AIR APPLICATION: Apply 2 or 3 quarts of 6 LB. **SODIUM CHLORATE** per acre in sufficient water to make 4 to 10 gallons 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 sufficient 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 temperatures found in some areas at mid-day.

GROUND MACHINE APPLICATION: Apply 2 to 3 quarts of 6 LB. **SODIUM CHLORATE** per acre in sufficient water to make 15 to 30 gallons total solution per acre. Cotton defoliants 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 with cotton plants that 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. Flush out equipment with water after each day's work.

FLAX - For Use As A Harvest Aid: To desiccate trashy weeds and desiccate the mature crop, apply 1 gallon 6 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.

GRAIN SORGHUM: As a desiccant, apply 3 quarts to 1 gallon 6 LB. **SODIUM CHLORATE** per acre 7 to 10 days before harvest. Application should be made in enough water for thorough coverage. Apply a total of 4 to 10 gallons of spray per acre by air and 10 to 20 gallons per acre by ground equipment.

CORN - 6 LB. **SODIUM CHLORATE** may be used as a harvest aid for desiccation of trashy weeds in early maturing corn. Use 1 gallon of product in 5 to 7 gallons of water per acre by air.

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Apply at least 14 days before anticipated harvest date on clear days when temperatures are expected to go above 70° F. Use the 5 gallon rate when weeds are small and the crop canopy is fairly open. DO NOT graze treated fields or feed fodder, forage or residual seeds within 14 days of application.

RICE: As a pre-harvest desiccant, apply 3 quarts to 1 gallon 6 LB. SODIUM CHLORATE in enough water for thorough coverage. By air, use a minimum of 5 gallons per acre. Application should be made 7 to 10 days before harvest. Do not graze treated fields or feed treated straw or crop residues within 14 days of application.

SAFFLOWER: As a pre-harvest desiccant, apply 1 gallon 6 LB. SODIUM CHLORATE per acre in enough water for thorough coverage. By air apply 5 to 10 total gallons of spray per acre. By ground, apply 20 to 30 gallons of total spray per acre. Application should be made 7 to 10 days before harvest when safflower heads are fully mature. Do not apply later than 7 days before harvest. Do not feed treated forage or graze treated fields. Not for use in California.

SOYBEANS: As a pre-harvest desiccant, apply 1 gallon of 6 LB. SODIUM CHLORATE per acre in enough water for thorough coverage. By air, apply a minimum of 5 gallons of spray solution per acre; for ground application, apply a minimum of 20 gallons of spray solution per acre. Application should be made 7 to 10 days prior to normal anticipated harvest. Do not feed treated foliate or graze treated fields. Not for use in California.

SUNFLOWER: As a pre-harvest desiccant, apply 1 gallon of 6 LB. SODIUM CHLORATE per acre to fully mature seedheads in enough water for thorough coverage. By air, apply 5 to 10 gallons total spray solution per acre. By ground equipment, apply 20 to 30 gallons of total spray solution per acre. Application should be made 7 days prior to normal harvest. Do not feed treated forage or graze treated fields. Not for use in California.

**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, men 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.