

1255  
49620-1  
11/25



# SODIUM CHLORATE

WEED KILLER

**ACCEPTED**  
NOV - 9 1984  
Under section 24(c) of the FIFRA Act, as amended, this pesticide is registered under EPA Reg. No. 49620-1

A nonselective, water soluble herbicide for the control of both perennial grasses and deep-rooted, broad-leaved weeds on non-agricultural land.

Active Ingredient:  
Sodium Chlorate (NaClO<sub>3</sub>) - 99% (minimum)  
Inert Ingredients: 1% (maximum)  
Total: 100%

**Keep Out Of The Reach Of Children**  
**WARNING—AVISO**  
PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

SEE STATEMENT OF PRACTICAL TREATMENT AND  
ADDITIONAL PRECAUTIONS ON SIDE PANEL

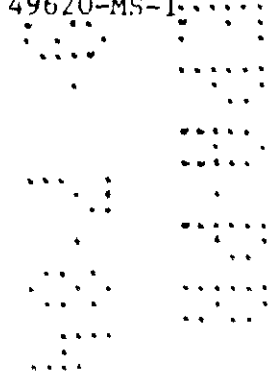
Sodium Chlorate can be applied dry in the crystal form or as a spray. It is most effective when applied directly to the soil. Nonagricultural uses include treatments of drainage ditches, fence rows, roadsides, rights-of-way and industrial sites. Application as directed can result in the loss of soil productivity for an extended period. Use only in accordance with recommendations on this label.

MANUFACTURED FOR  
**KemaNord**  
A KemaNobel Company

KemaNord, Inc  
2525 Cumberland Parkway, Suite 300  
Atlanta, Georgia 30339



EPA Registration Number : 49620-  
EPA Establishment Number : 49620-MS-1.....  
Net Weight            Lbs.            .....



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

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.

STATEMENT OF PRACTICAL TREATMENT

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

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

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

IF INHALED: Remove victim to fresh air.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS

Keep out of lakes, streams and ponds. Do not apply when weather conditions favor drift from target area.

GENERAL INFORMATION:

WARNING: Do not allow spray to contact adjacent crops or other plants. Clean and wash spray equipment before and after use and do not allow wash water to contact desirable plants. To avoid fire or explosion do not mix with insecticides. Do not contaminate water by cleaning of equipment or disposal of wastes.

FARMWORKER SAFETY

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.

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. (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:  
WARNING - Area treated with Sodium Chlorate on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure refer to the Statement of Practical Treatment on the KemaNord label.

IMPORTANT

Sodium Chlorate is not selective in its actions; its presence in the soil will destroy germinating seed and inhibit plant growth. This toxic effect is temporary but may persist for approximately one year or longer; duration will vary with rate of application, soil type, fertility level, organic matter content, soil moisture and soil temperature.

Sodium Chlorate, alone, does not burn. However, organic matter, including clothes, shoes, wood and dead vegetation impregnated with it may become DANGEROUSLY FLAMMABLE when dry. When Sodium Chlorate is applied as an aqueous spray, the clothing of the applicator is very likely to become contaminated. Unless contaminated clothing is washed immediately, it will be dangerously flammable upon drying.

Do not burn the treated area, burning will reduce the killing effect.

Do not apply Sodium Chlorate near valuable plants.

Local conditions effect the use of herbicides. Agricultural experiment station or extension service weed specialists in the State issue recommendations to fit local conditions and their recommendations should be followed with Oxy Sodium Chlorate.

BEFORE USING THIS PRODUCT, CAREFULLY READ THE ENTIRE LABEL.

Thoroughly wash utensils and equipment after making applications of Sodium Chlorate.

-Store unused portion in a detached dry building.

-Strong oxidant. Contact with combustible material may cause fire.

-Do not REUSE container.

-Thoroughly wash, or destroy at once, clothing which has become soaked with Sodium Chlorate solutions or filled with dry Sodium Chlorate.

-Wear rubber shoes or boots when applying Sodium Chlorate.

-Do not spill Sodium Chlorate crystals or solutions on floors, wagon beds or anything burnable.

-Do not smoke and avoid open flames while applying or wearing clothes which were worn when applying chlorate, unless these have been washed thoroughly.

-Do not allow animals to feed on areas treated with Sodium Chlorate until after a rain. Ingestion of relatively large amounts may be fatal.

-Do not contaminate domestic or irrigation water.

-Do not apply where product may be washed or leached to roots of desirable plants.

**DIRECTIONS FOR USE:**

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

**NON-CROP-**

**How to Apply:** Sodium Chlorate gives best results when applied directly to the soil as dry crystals (just as effective as the spray and less hazardous) or as an aqueous spray. One to one and one-half pounds of Sodium Chlorate will dissolve readily in one gallon of water. The solution should be applied at the suggested rates for the control of different grasses and weeds.

**When to Apply:** For best results, apply Sodium Chlorate from August through November in areas of light winter rainfall (8 to 20 inches). In areas of heavy winter rainfall (20 inches or more) applications should be made in the spring. Excessive moisture may carry the chemical through the root zone too rapidly and insufficient moisture may not carry it into the lethal zone, resulting in poor control of grasses and weeds. High soil temperatures tend to reduce killing effects of Sodium Chlorate.

**Rates to Use: Perennial Grasses -** To control such perennial grasses as Johnson, Bermuda, quack, para and others, apply 3 to 5 pounds per square rod or 1 to 2 pounds per 100 square feet.

**Perennial Broad-leaved Weeds -** To control such weeds as bindweed, Canada Thistle, leafy spurge, Russian knapweed, hoary cress and other hard to kill perennials, apply 4 to 6 pounds per square rod or 1½ to 2½ pounds per 100 square feet.

**Spot Treatment -** For treating small areas, dry Sodium Chlorate crystals may be applied by hand or with a spreader. A low pressure sprayer may be used to apply solutions of 1 to 1½ pounds of Sodium Chlorate per gallon of water. Thoroughly wet the foliage of treated vegetation and dampen the soil surface under the plants.

~~Formulators using this product are responsible for obtaining EPA registration for their formulated products.~~

## STORAGE AND DISPOSAL

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

#### STORAGE:

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. May be ignited by heat or open flame.

Do not stack over 2 pallets high. Move bags carefully so as not to tear or puncture.

Do not move containers from one area to another unless they are securely sealed.

Keep container tightly sealed when not in use. Do not allow material to become wet or store in a damp, humid area. Keep away from any puncture source. Avoid storage near water supplies, food, feed, and fertilizer to avoid contamination. Keep from contact with explosives, flammable materials, acids, phosphorus, metal powders and other oxidizable materials. Store in original container 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. Collect and place in suitable containers for disposal.
2. Wash area with water and soap to remove remaining pesticide.
3. Follow washing with clean water rinse.
4. Clothing contaminated with chlorate solution must be removed at once before solution dries. Dried contaminated clothes can be ignited easily. Wash contaminated clothing immediately.
5. Do not allow run off to enter sewer or contaminate water supplies.
6. 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: BAGS**—completely empty bags into formulation 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.

**FIBERDRUMS WITH LINERS**—Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into formulation equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

#### WARRANTY-CONDITION OF SALE:

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. In no case shall KemaNord or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by KemaNord and is accepted as such by the Buyer.