



PC00040

ITARY SCHOOLS

215 S.E. 8th Ave.
HILLSBORO, OR 97123

MATERIAL SAFETY DATA SHEET

CM 0080

ORTHO Consumer Products - Liquid Fertilizers

9

CAUTION! KEEP OUT OF REACH OF CHILDREN

TYPICAL COMPOSITION

Aqueous solutions containing urea (CAS 57-13-6), ammonium phosphates (CAS 7722-76-1, 7783-28-0), potassium phosphates (CAS 7778-77-0, 7758-11-4, 7778-53-2) potassium chloride (CAS 7447-40-7), potassium nitrate (CAS 7757-79-1), and micronutrients (See specific product label).

100%

EXPOSURE STANDARD

No Federal OSHA exposure standard or ACGIH TLV has been established for this material.

PHYSIOLOGICAL & HEALTH EFFECTS

Not expected to cause no more than minor eye irritation. Application of a similar material into the eyes of rabbits produced slight membrane irritation.

Not expected to be irritating to the skin. Application of a similar material onto the skin of rabbits produced no observable irritation.

Not expected to be acutely toxic by inhalation.

Not expected to be acutely toxic by ingestion. The acute oral LD₅₀'s (rat) of similar materials were greater than 5 g/kg.

EMERGENCY & FIRST AID PROCEDURES

Eyes

Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. If irritation persists, see a doctor.

Skin

Wash skin thoroughly with soap and water.

Inhalation

Since this material is not expected to be an acute inhalation problem, no first aid procedures are required.

Ingestion

If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

SPECIAL PROTECTIVE INFORMATION

Eye Protection: Do not get in eyes. Eye contact can be avoided by wearing chemical safety goggles.

Skin Protection: No special skin protection is necessary.

Respiratory Protection: No special respiratory protection is normally required.

Ventilation: No special ventilation is necessary.

FIRE PROTECTION

Flash Point: n/a

Autoignition Temp.: n/a

Flammability Limits: n/a

Extinguishing Media: Material will not burn. =

SPECIAL PRECAUTIONS

READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

ENVIRONMENTAL INFORMATION

Environmental Impact: Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste. For help with any spill, leak, fire, or exposure involving this material, call day or night (415) 233-3737.

Precautions if Material is Released

Spilled: Clean up spills immediately, observing precautions in Special Protective Information. Cover spill with a generous amount of Oil Dry, cat litter, clay, rags or other absorbent. Use a stiff broom to mix thoroughly. Sweep up and place in a disposable container. Scrub contaminated area with detergent and water using a stiff broom. Pick up liquid with additional absorbent and place in a disposable container.

Waste Disposal Methods: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material. If safe and practicable, reclaim material.

REACTIVITY DATA

Stability (Thermal, Light, etc.): Stable.

Incompatibility (Materials to Avoid): n/a

Hazardous Decomposition Products: n/a

Hazardous Polymerization: Will not occur

PHYSICAL PROPERTIES

Solubility: Completely soluble in water.

Appearance (Color, Odor, etc.): Liquids of varying color.

Boiling Point: NDA

Melting Point: NDA

Specific Gravity: 1.15-1.27 @ 20/20°C

Vapor Pressure: NDA

Vapor Density (Air=1): NDA

Percent Volatile (Volume %): NDA

Evaporation: NDA

pH: 3.3-7.4

n/a = Not Applicable

NDA = No Data Available

above information is based on data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is issued upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

No. 3095



Always Read and Follow Label Directions.

Mixing and Applying

- Always dilute pesticide concentrate according to label instructions. Mix only the amount you need for the job. Only use full-strength if specified on the label.
- Keep a special set of tools used only for mixing and measuring chemicals—spoons, measuring cup, stirring rod, etc. and store them with your chemicals. Mix chemicals outside on a solid level surface.
- Don't mix pesticides with anything except as the label directs.
- Before you spray, check to see that no toys, food or dishes are lying around in the area you are treating.
- Keep pets and anyone not involved in spraying well away from the area where you mix, apply or spray chemicals. Keep everyone out of treated areas until the spray has dried, or for as long as the label directs.
- Protect your skin by wearing clothing that covers your arms, legs, feet and hands. Rubber gloves give added protection when handling concentrates. Be careful not to inhale dusts or sprays.
- Don't spray on a windy day; the spray could blow back onto you or into a neighbor's yard, or somewhere else you didn't intend the spray to go.
- When spraying trees, do not stand under branches as chemicals might drip onto your hands, face or clothing. Close windows and doors when spraying near your house.
- Don't eat or smoke while mixing or spraying. Wait until you've washed your hands or face.
- Don't use an aerosol can around fires, electrical connections, or pilot lights.
- Never use a pesticide on any plant that is not listed on the label. Only use pesticides on food plants if the label specifically says it can be used on that crop. Then always wait as long as the label directs before picking and eating.
- Plants can be damaged if sprayed when they are wilted, thirsty, newly planted, or otherwise stressed, or the temperature is above 85°F within 24 hours of application.

- In the house, use only pesticides whose labels specify they are for indoor use.
- Thoroughly clean your sprayer and any mixing or measuring tools as soon as you finish spraying. Then wash your face and hands with soap and water, change clothes, and don't wear chemical-contaminated clothes again until you've washed them.

Disposal

- If you've mixed more than you need, the best way to dispose of the excess is to spray nearby plants, as long as they are listed on the label. Don't pour pesticides down ANY drain—most pesticides are harmful to the beneficial organisms that work in septic tanks and sewage treatment plants. Plan ahead, try to mix only the amount you actually need.
- When a container of liquid pesticide is empty, rinse it out with water and use the rinse water in your spray. Never re-use any chemical container! Do not recycle pesticide containers.
- To dispose of empty or partially-filled containers, the preferred way is to wrap them in several layers of newspaper, tie securely and discard in the trash can. If garbage pick-up service is not available to you or if you have any doubts about proper disposal, contact your public health department.
- Never puncture an aerosol or pressurized can or put it into an incinerator or fire because it might explode.

Spills

- Spilled chemicals can be dangerous. If necessary, set up a barrier to keep people and pets away—you don't want chemicals tracked around the house on shoes and feet.
- Never flush or hose down spills until you have cleaned up as much as possible as outlined below.
- Ventilate the spill area to avoid breathing the vapor. Open doors and windows, or set up a fan. Only use a fan around spilled liquids, not dusts or powders. Remember, chemical fumes may catch fire; that's why you don't store chemicals around pilot lights. Also, don't light matches or smoke while cleaning up a spill.

- Begin cleaning up a spill as soon as possible to minimize potential exposure and possible problems with stains and odors.
- When cleaning, wear rubber or neoprene gloves, rubber overshoes or boots, and keep the rest of your body covered.
- Sweep spilled solids into a plastic bag and put in the trash.
- Soak up spilled liquids with an absorbent material such as Kitty Litter, paper towels or old rags. Place all contaminated material in a plastic bag, seal, and put in the trash.
- Scrub wood, cement, or tile surfaces with a mixture of water and strong household detergent. Use a scrub brush or old rags. Absorb solution with absorbent material, such as Kitty Litter. Repeat cleansing with detergent until traces of the chemical are gone. Place all contaminated materials in a plastic bag and dispose in the trash.

Storage

- Always keep chemicals in their original containers. Never remove the labels. Securely close all containers.
- Never store garden chemicals in soft drink bottles, or any other containers that could lead anyone, especially a child, to mistake the contents for food or drink. Small children don't know the difference!
- Chemicals are best stored in a locked, well-ventilated space, out of the sun, and especially away from pilot lights and other open flames or sparks, since the fumes could catch fire. A garden shed, toolroom or garage is better than a basement or elsewhere in the house.
- Storage shelves should be strong, stable, and not too high to reach easily, but out of the reach of children. Do not store chemicals near any foods.
- Keep all chemical containers back from the front edge of your shelves. Some liquid pesticides come in glass bottles. Common sense tells you to take extra care when handling and storing them.

Emergency Numbers

POLICE 911
FIRE 911
MEDICAL 911

First Aid

NOTE: If you seek medical help, take labeled container to doctor.



For chemicals splashed in the eye, flush with water for 15 minutes. Get medical attention immediately, and refer to the product label for further instructions.



For chemicals that coat the skin, wash the affected area thoroughly with soap and water, and refer to the product label for further instructions. Don't take



Remove contaminated clothing and wash skin with soap and water. Refer to the label for instructions, and if you have any doubts, get medical help. Wash clothing in

Emergencies If you break an ORTBO container, spill an ORTBO chemical, or are exposed to an ORTBO chemical, you or your doctor can get emergency information (day or night) by calling (415) 223-3737 (collect).

GARDEN CHEMICALS & COMMON SENSE

For your own safety, ORTBO urges you always to take these common sense precautions when you store, mix, apply and dispose of your garden chemicals...



Every ORTHO label contains vital information that you should know before using the product. The information is there for your protection. It's important. So don't trust intuition...or your memory...don't guess...read the label:

First Aid Instructions.

These are the immediate actions you must take in an emergency. It may be necessary to follow these up with professional medical help—if so, remember to take the container with its label to the doctor so that he or she can give you the appropriate treatment.

Note to Physicians.

This note gives doctors poison treatment information and an emergency telephone number to contact for further information.

Directions for Use.

These tell in more detail what the product should be used for, how much to use, and how to apply it. It is essential to follow these instructions precisely using only the amounts recommended; too much product can cause damage.

Precautionary Statements.

Pesticide labels contain one of these words: CAUTION, WARNING, OR DANGER. These signal words refer to the toxicity, and therefore the potential danger of the chemical if it is carelessly used or misused. The word CAUTION indicates the least risk (the lowest toxicity), when the product is used as directed. WARNING indicates a higher toxicity, and products labeled DANGER are the most toxic. Always follow label directions precisely when using any chemical, and for safety's sake, read the label in the store and buy the least toxic product for the job.

Product and Brand Identification.

The product name is often accompanied by a brief description of its intended use (e.g. "Kills insects—Aphids, Flies, Mites...").

[illegible][illegible]

STORAGE AND DISPOSAL: Keep pesticide in original container. Do not put contents of container or residue in food or drink containers. Avoid contamination of feed and feedstuffs. Store in a cool, dry place, preferably in original container. Do not use if container is damaged or leaking. **DISPOSAL:** PESTICIDE: Pesticide in original container should be disposed of by securely wrapping original container in several layers of newspaper and placing in large **CONTAINER**. Do not reuse empty bottles. Rinse thoroughly before discarding in trash.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

Chertom Chemical Company
Griffith Consumer Prod. Co.
San Francisco CA 94120
Richmond CA 94801 0038
Product 5448 Made in USA
Form K0075
EPA Reg. No. 825-2481 AA
EPA Est. 235-NJ-1, 235-MD-
Summer and winter use. Best Int.



Storage and Disposal.

Pay careful attention to this; it is important safety information that should be followed precisely... better safe than sorry!

Code Numbers.

Most ORTHO product labels contain four sets of numbers, usually located adjacent to the corporate name and address. The Product Number and Form Number will assist in quickly and accurately identifying your product if you ever need to contact the company about it. The EPA numbers indicate the Environmental Protection Agency's registration number.

Active Ingredients.

May consist of one or more ingredients and are listed by their common name and/or chemical name, often with reference to a Registered Trademark name listed below, together with the percentage of each product. The common name of the active ingredients are useful information to give a doctor in time of emergency.

