

# LINKE™

## PRINCIPLE FUNCTIONING AGENTS:

Phosphate esters of alkyl aryl Polyoxyethanol and alcohol  
.....95.0%

INERT INGREDIENTS.....5.0%

TOTAL.....100.0%

**WARNING**  
KEEP OUT OF REACH  
OF CHILDREN

### PRECAUTIONARY STATEMENTS

Keep container tightly closed. Avoid contact with eyes, skin and breathing vapors or spray mist. Wear protective gloves. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Use adequate ventilation when handling. Keep away from open flame. In case of fire: Dry chemical fire extinguisher to extinguish and call CHEMTREC (800) 424-9300. First Aid: If exposed call CHEMTREC or refer to SDS First Aid section. If on skin: Take off contaminated clothes immediately. Rinse skin with water.

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### GENERAL INFORMATION

LINKE is an effective blend of materials which act as a buffering agent and compatibility agent to improve the stability of liquid fertilizers mixed with pesticides and/or micronutrients. LINKE is used when a simultaneous application of liquid fertilizer and liquid or dry pesticide is desired. LINKE is also recommended when two different pesticides to be applied in a single source of liquid fertilizer or water.

Since formulations differ and rates vary, check compatibility of various pesticide, micronutrient, and fertilizer mixtures before mixing large quantities. To check, add ¼ teaspoon LINKE to 1 pint fertilizer or pesticide mixture in a jar and add recommended amount of (other) pesticide. (1/4 teaspoon per pint is equivalent to 2 pints per 100 gallons).

Shake well after each addition to insure adequate mixing. Let stand for 30 minutes. If separation, formation sludge, or any other precipitates are observed, repeat testing using 3/8 teaspoon LINKE (equivalent to 3 pints LINKE per 100 gallons). If the compatibility is still not sufficient, prepare a pre-mix of LINKE and the pesticide before adding to fertilizer.

### DIRECTIONS FOR USE AS A COMPATIBILITY AGENT

For improving compatibility and stability of liquid fertilizer and pesticide mixture, use LINKE by one of the following procedures:

**NO. 1:** Add recommended quantity of LINKE to the liquid fertilizer or water in the tank and mix completely. Maintain agitation while adding the pesticide. Mix thoroughly.

**NO. 2:** Add required amount of LINKE and pesticide to the tank containing the fertilizer and mix completely.

**NO. 3:** Prepare a pre-mix of recommended rate of pesticide and LINKE and add to the tank containing the fertilizer and mix thoroughly. Procedures No. 1 and 2 are appropriate for most situations while No. 3 is recommended where compatibility is still inadequate due to the application of 2 or 3 different pesticides in a single source of liquid fertilizer. Procedure 3 is also suggested for mixtures with high phosphate grade liquid fertilizers, wettable powders, and flowable pesticide formulations.

### RATES

Liquid Nitrogen Fertilizers and Pesticides: 1-3 pints of LINKE per 100 gallons of fertilizer.

Liquid Fertilizer and Multiple Pesticides Combinations: ½ to 3 pints of LINKE per 100 gallons of fertilizer.

Multiple Pesticide Combinations in Water: ½ to 3 pints of LINKE per 100 gallons of water.

**NOTE:** Agitation in the tank during application is recommended for certain liquid fertilizer, pesticide combinations and water-pesticide combinations. If the spray tank has been allowed to stand, agitate before application. Too much agitation might result in foaming. This can be avoided by moderate or occasional agitation of the spray mixture or by using an anti-foamer.

### STORAGE AND DISPOSAL

Store in cool, dry place. Store in original container. Keep container tightly closed. Do not reuse empty container. Triple rinse, then offer for recycling or for disposal in a sanitary landfill, or by other means in accordance with local, state and federal regulations.

### DIRECTIONS FOR USE AS BUFFERING AGENT

Many pesticides, especially organophosphorus insecticides, tend to hydrolyze in alkaline solutions, resulting in less effective pest control. Decomposition normally occurs at a fast rate above pH 7. Even for those compounds undergoing slow hydrolysis, adjustment of pH to an acid medium would have a beneficial effect in minimizing decomposition. Use 1/8 to 1-1/4 pints of LINKE per 100 gallons of water to lower the pH of alkaline pesticide spray solutions. See chart below for recommendations. The optimum use rate of LINKE should be added to the water in the spray tank with good agitation prior to adding pesticide. Consult local extension agent or other authority for recommended spray tank pH.

Desired pH	Combine pH Recommended Use Chart				This chart is a guide to the approximate quantity of LINKE required to reduce the pH of 100 gallons of water.
	Starting pH				
	9	8	7	6	
8	2	0	0	0	
7	4	2	0	0	
6	16	12	8	0	
5	20	16	12	8	

Oz. of LINKE per 100 gallons of water

### Instructions for use of chart:

1. Test the pH of the water to be used in your tank mix by using the pH text kit.
  2. Determine the desired pH for the pesticide to be tank mixed. Typically, spray tank mixtures are most effective at pH's between 6 and 7.
  3. Determine the approximate quantity of LINKE to be added to each 100 gallons of the tank mix by reading down on the chart from starting pH to the desired pH on the left side.
- NOTE:** When applying aerially, follow pesticide label directions including minimum water volume per acre. Do not substitute LINKE for water required by the pesticide label. **AQUATIC APPLICATION:** Apply at the rate recommended as described by the pesticide label.

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### NOTICE

**Manufacturer warrants that LINKE conforms to its chemical description and will perform as stated on the label when used according to directions and under normal conditions. Neither this warranty or any other warranty of merchantability, expressed or implied, extends to the use of this product contrary to label directions. Buyer assumes all risk if LINKE is used in any manner or under any condition other than those specifically set forth on the label.**

### NET CONTENT:

\_\_\_ 1 gal.  
\_\_\_ 4x1 gal.  
\_\_\_ bulk \_\_\_ gallons

NET WEIGHT: 9.0 lb/gal @ 68°F

Manufactured For:



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