

**SHAKE WELL BEFORE USE
DO NOT FREEZE**

LINKE™

PRINCIPAL FUNCTIONING AGENTS

Phosphate Esters of Alkyl Aryl Polyoxyethanol and alcohol.....	95.0%
Inert Ingredients	5.0%
Total.....	100.0%

GENERAL INFORMATION

LINKE is an effective blend of materials which acts 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 are to be applied in a single source of liquid fertilizer or water.

Since formulations differ and rates vary, check capability various pesticides, micronutrients, and fertilizer mixtures before mixing large quantities. To check, add 1/4 teaspoon **LINKE** to 1 pint (473 mL) 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 [946 mL per 379 L]).

Shake well after each addition to ensure adequate mixing. Let stand for 30 minutes. If separation, formation sludge, or any other precipitation are observed, repeat using 3/8 teaspoon **LINKE** (equivalent to 3 pints **LINKE** per 100 gallons [1.4 L per 379 L]). If compatibility is not sufficient, prepare a pre-mix of **LINKE** and the pesticide before adding to fertilizer.

DIRECTIONS FOR USE AS COMPATIBILITY AGENT

For improving compatibility and stability of liquid fertilizer and pesticide mixture, use the **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 1 and 2 are appropriate for most situations, while 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 formations.

APPLICATION RATES

LIQUID NITROGEN FERTILIZERS AND PESTICIDES:

1-3 pt (16-48 oz) or per 100 gallons (236 mL - 1.4 L per 379 L) of fertilizer.

LIQUID FERTILIZER AND MULTIPLE PESTICIDE COMBINATIONS: 0.5-3 pt (8-48 oz) per 100 gallons (236 mL - 1.4 L per 379 L) of fertilizer.

MULTIPLE PESTICIDES COMBINATIONS IN WATER: 0.5-3 pt (8-48 oz) per 100 gallons (236 mL - 1.4 L per 379 L) of water.

NOTE: Agitation in the tank during application is recommended for certain liquid fertilizers, 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.

DIRECTIONS FOR USE AS A BUFFERING AGENT

Many pesticides, especially organophosphate insecticides, tend to hydrolyze in alkaline solutions, resulting in less effective pest control. Decomposing normally occurs at a first rate above pH 7. Even for those compounds undergoing slow hydrolysis, adjustment of pH is in acid medium would have a beneficial effect in minimizing discomposure. Use 2-20 oz **LINKE** per 100 gallons (59 - 591 mL per 379 L) of water to lower the pH of alkaline pesticide spray solutions. See chart below for recommendations. The optimum use to rate at **LINKE** may vary under extremely alkaline conditions or if desired reduction of pH is slight. **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. **ALWAYS READ AND FOLLOW DIRECTIONS, RESTRICTIONS, AND PRECAUTIONS ON THE PESTICIDE LABEL.**

COMBINE pH RECOMMENDED USE CHART

		STARTING pH					
		9	8	7	6		
DESIRED pH	8	2	0	0	0		
	7	4	2	0	0		
	6	16	12	8	8		
	5	20	16	12	8		

oz of LINKE per 100 gallons of water

		STARTING pH					
		9	8	7	6		
DESIRED pH	8	59	0	0	0		
	7	118	59	0	0		
	6	473	354	236	0		
	5	591	473	354	236		

mL of LINKE per 379 L water

This chart is a guide to the approximate quantity of LINKE required to reduce the pH of 100 gal (379 L) of water.

STORAGE AND DISPOSAL

Store in cool, dry place 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.

PRECAUTIONARY STATEMENTS

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 the SDS First Aid section. **If on skin:** Take off contaminated clothes immediately. Rinse skin with water.

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.

WARNING

KEEP OUT OF REACH
OF CHILDREN

NET CONTENT	<input type="checkbox"/> 1 gal (3.79 L)
	<input type="checkbox"/> 2.5 gal (9.46 L)
	<input type="checkbox"/> 2 x 2.5 gal (2 x 9.46 L)
	<input type="checkbox"/> Bulk _____ gal
NET WEIGHT	7.4 lb/gal (0.89 Kg/L)
	© 68°F [20°C]

MANUFACTURED FOR

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