

**SHAKE WELL BEFORE USE  
DO NOT FREEZE**

# LINKE

## PRINCIPAL FUNCTIONING AGENTS

|  |               |
|--|---------------|
| Phosphate Esters of Alkylaryl polyoxyethanol<br>and alcohol..... | 95.0%         |
| Inert Ingredients .....  | 5.0%          |
| <b>Total .....</b>   | <b>100.0%</b> |

## 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 of various pesticides, micronutrients, and fertilizer mixtures before mixing large quantities. To check, add 1/4 tsp **LINKE** to 1 pt (or 5 mL to 473 mL) fertilizer or pesticide mixture in a jar and add recommended amount of (other) pesticide (1/4 tsp per pt is equivalent to 2 pt per 100 gal (or 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 tsp **LINKE** (equivalent to 3 pt **LINKE** per 100 gal (or 1.4 L per 379L). 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) per 100 gal (or 473 mL-1.4 L per 379 L) of fertilizer.

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

**MULTIPLE PESTICIDE COMBINATIONS IN WATER:** 0.5-3 pt (8-48 oz) per 100 gal (or 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 in acid medium would have a beneficial effect in minimizing discomposure. Use 2-20 oz **LINKE** per 100 gal (or 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 rate of **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                           | 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 (or 379 L) of water.

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**WARNING**  
**KEEP OUT OF REACH**  
**OF CHILDREN**

## NET CONTENT

- ☐ 1 gal (3.79 L)
- ☐ 2.5 gal (9.46 L)
- ☐ 2 x 2.5 gal (2 x 9.46 L)
- ☐ Bulk \_\_\_\_\_ gal or L

## NET WEIGHT

8.56 lb/gal (1.03 Kg/L)  
@ 68°F (20°C)

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## STORAGE AND DISPOSAL

Store in a cool, dry place in original container. DO NOT FREEZE. 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 and skin. Avoid breathing vapors or spray mist. Wear eye/face protection and protective gloves. Wear safety glasses with side shields. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling. Use adequate ventilation. Keep away from open flame. In case of fire, use dry chemical fire extinguisher to extinguish.

FOR A SPILL, LEAK, EXPOSURE, OR FIRE INVOLVING THIS PRODUCT, CALL CHEMTREC (800) 424-9300 (24 HRS)

## FIRST AID

If in eyes: Hold eye open and rinse gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes and continue rinsing. If on skin: Take off contaminated clothing immediately. Rinse skin with water for 15-20 minutes. If symptoms persist, contact a poison control center or doctor for treatment advice. If swallowed: Contact a doctor or poison control center immediately. Do not induce vomiting unless told to do so by a doctor or poison control center.

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