

# Empiric™

## Empiric™

### Nonionic and Organosilicone Surfactant Blend

#### Principal Functioning Agents

Alkylphenol ethoxylate, polyether modified polysiloxane, propylene glycol.....	99.0%
Constituents ineffective as spray adjuvants.....	1.0%
<b>Total.....</b>	<b>100.0%</b>

All ingredients are exempt from the requirements of a tolerance as specified in 40 CFR 180.



### KEEP OUT OF REACH OF CHILDREN WARNING

#### Hazard Statements

- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye irritation.

#### Precautionary Statements

- Wash thoroughly after handling.
- Wear protective gloves/eye/face protection.
- Do not eat, drink or smoke when using this product.
- IF IN EYES: Rinse continuously with water for several minutes.
- Remove contact lenses if present and easy to do; continue rinsing.
- If eye irritation persists, get medical advice/attention.
- IF SWALLOWED: Rinse mouth.
- Call a poison center or doctor/physician if you feel unwell.
- IF ON SKIN: Wash with plenty of soap and water.
- Take off contaminated clothing and wash before reuse.

#### First Aid

Call a poison control center or doctor immediately for treatment advice.

**If Swallowed:** Rinse mouth. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison center or doctor/physician if you feel unwell.

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If eye irritation persists, get medical advice/attention.

**If on Skin or Clothing:** Take off contaminated clothing and wash before reuse. Rinse skin immediately with plenty of soap and water for 15 to 20 minutes.

#### General Information

Empiric is a superior nonionic wetting agent designed for water based herbicide application in agriculture, horticulture, industrial, turf and forestry operations. It is designed for fast spreading, uniform distribution and absorption of spray on leaf and stem surfaces.

Empiric may be used with most pesticides and fertilizer products.

Optimum application and consequent effects can be influenced by many factors. It is recommended that the spray be observed and adjuvant rates be adjusted accordingly. During application, insure thorough coverage without excessive runoff.

#### Mixing

Spray mixing and application equipment must be cleaned according to cleaning directions on prior pesticide label before application. To minimize and help prevent foaming, fill tank 2/3 to 3/4 full of water.

Add pesticides and/or fertilizers as directed by label or in the following sequence:

- 1) Micronutrients and fertilizer;
- 2) Dry flowables and dispersible granules;
- 3) Flowables;
- 4) Water soluble pesticides;
- 5) Emulsifiable concentrates.

While agitating, add Empiric and mix for 1 to 2 minutes with lower than normal agitation. Continue filling tank maintaining minimal agitation. For most effective results, apply within 36 hours after mixing.

California State Reg. No. 45989-50022-AA

#### Directions For Use

Empiric is a nonionic organosilicone wetting agent designed for use in certain agricultural and horticultural uses where a nonionic surfactant is recommended.

Suggested rates for the use with various categories of chemicals are as follows:

Chemical Group	Ounces of Empiric to add per 100 gal. of spray mixture
Insecticides, Miticides & Fungicides.....	6 - 32 oz.
Herbicides, Defoliants & Desiccants.....	12 - 64 oz.
Glyphosate formulations w/o added surfactants.....	12 - 64 oz.
Fertilizers & Micronutrients.....	4 - 32 oz.

**NOTE:** Carefully read and follow the specific directions contained on the label of the chemical used. Before adding Empiric to spray tank mixes or before using with a pesticide or fertilizer where a nonionic adjuvant is not specifically recommended but not prohibited by the manufacturer, the user or application advisor must have experience with the combination or must have conducted a phytotoxicity trial of their own. For local recommendations, consult a competent agricultural authority.

**Aerial Application:** When applying aerially, follow pesticide label directions including minimum water volume per acre. Do not substitute Empiric for water required by the pesticide label.

**Irrigation Injection:** Applications of Empiric through irrigation injection systems are possible provided the recommended use rates and dilutions are maintained and local, state, and federal guidelines are followed. Empiric is also recommended for use with non-selective herbicides and other pesticides including those used to desiccate or defoliate.

**Water Penetration of Hard-to-Wet Soils:** For most efficient water penetration of hard-to-wet soils and the even distribution of applied moisture, use 1 pint per 100 gallons of water as a spot or area treatment.

#### Storage and Disposal

**Storage:** Do not contaminate water, food or feed by storage or disposal. Do not store near heat or open flame. Store in original container. Keep container tightly closed. Store in a well-ventilated place. Keep cool.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Dispose of contents according to local/national regulations.

**Container Disposal:** Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit [www.acrcycle.org](http://www.acrcycle.org). Decontaminated containers may also be disposed of in a sanitary landfill. Dispose of container according to local/national regulations.

#### Environmental Hazards

**Not for aquatic use.** Do not contaminate water sources by cleaning of equipment or disposal of wastewaters.

#### EMPIRIC IS NOT FOR AQUATIC USE

*Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.*



# KALO

Empiric is a trademark of KALO, Inc.

#### CONDITIONS OF SALE, LIMITED WARRANTY, AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale – Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded. The directions of this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of KALO, Inc., the manufacturer or seller. In addition, failure to follow label directions may cause injury to crops, animals, workers or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind express or implied concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law. The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at KALO, Inc.'s election, one of the following:

1. Refund of the purchase price paid by buyer or user for product purchased, or,
2. Replacement of the product used.

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company, the manufacturer and seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.



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