

# ESSENTIAL™

## MSO-OSS Hybrid, Activator, Penetrant



### PRINCIPAL FUNCTIONING AGENTS

Proprietary blend of methylated seed oil and organosilicone surfactant .....	99%
Constituents ineffective as a spray adjuvant .....	1%
TOTAL .....	100%

All ingredients are approved for use under 40 CFR 180

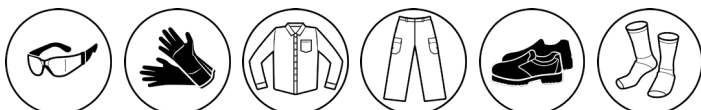
### KEEP OUT OF REACH OF CHILDREN WARNING



### PRECAUTIONARY STATEMENTS

Causes skin irritation. Causes serious eye irritation. May be harmful if swallowed. May be harmful if inhaled. Read label before use. Keep container tightly closed. Keep only in original container. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/ protective clothing/ eye protection/ face protection.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)



Applicators or other handlers of this product should wear protective eyewear, chemically resistant gloves, long-sleeved shirt, pants, socks and shoes. Consult the SDS for further information.

### FIRST AID

Call a poison control center or doctor immediately for treatment advice. Have the product container with you when calling a poison control center or doctor, or going for treatment.

**If In Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing. If eye irritation persists: Get medical advice or attention.

**If On Skin:  
Or Clothing** Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water for several minutes. If skin irritation occurs: Get medical advice or attention.

**If Swallowed:** Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person

**If Inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible.

### GENERAL INFORMATION

**Essential™** is formulated with a methylated seed oil (MSO) and an organosilicone (OSS) to quickly wet the canopy layers, permeate the waxy or weather hardened cuticle and carry the active ingredient to the mode of action site.

**Essential™** increases the speed of diffusion and slows drying to improve uptake of the active ingredient under difficult field conditions.

**Essential™** meets ASTM standards and all active ingredient label requirements for modified vegetable oil (MVO), methylated seed oil (MSO) and organosilicone (OSS) adjuvants.

### DIRECTIONS FOR USE

Follow the directions on the most restrictive active ingredient tank mix partner label.

If the active ingredient does not specify the use of a methylated seed oil (MSO) and organosilicone surfactant (OSS), follow the directions below.

Use only if a methylated seed oil (MSO) and organosilicone surfactant (OSS) is allowed or not excluded on the label.

**Essential™** does not contain ammonium sulfate.

If the user does not have experience with the mixture being applied, perform a jar test using the order and amounts in the mixture and perform a phytotoxicity test to ensure crop safety.

### Order of addition

In general, follow the W-A-L-E-S plan when adding herbicides to a tank mix.

1. Wettable Powders (WP) then Flowables (F, DF)
2. Agitate then add anti-foaming compounds, buffers
3. Liquid and Soluble products
4. Emulsifiable concentrates (EC)
5. ESSENTIAL™ and other adjuvants

Prior to mixing you should fill your spray tank with half of the carrier that you intend to use. Then start the sprayer and check to make sure that all valves and gauges work and that you have proper tank agitation.

### USE RATES

Application	Amount of Essential™ per 100 gallons of spray solution
Turf and ornamentals	1 - 3 Pints
Agriculture and citrus	1 - 3 Pints
Rights of way & forestry	1 - 2 Pints
Aquatic/surface	1 - 2 Pints
Aquatic/submerged	1 ¼ - 2 ½ Pints

### STORAGE AND DISPOSAL

**Storage:** Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.

**Disposal:** Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all federal, state and local regulations. Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at [www.acrecycle.org](http://www.acrecycle.org).

**NOTICE TO USERS:** Seller warrants the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

# S P E C I M E N L A B E L