

# Plant-Tech HSMSO™

MSO  
PENETRANT  
DEPOSITION AID

## Principal Functioning Agents

Methylated Seed Oil, Branched Alkyl Phenol Ethoxylate, Fatty Acids.....96.0%  
Constituents Ineffective as Spray Adjuvants.....4.0%

Surfactant Content...25%

All ingredients are exempt from the requirement of a tolerance under 40 CFR 180.

**TOTAL...100%**

WA REG NO. 994680-24001



## WARNING

**KEEP OUT OF REACH OF CHILDREN**

**READ ENTIRE LABEL BEFORE USING**

### Hazard Statements

Causes serious eye irritation.

### Precautionary Statements

Wash hands thoroughly after handling. Wear protective gloves/clothing and eye/face protection.

### First Aid

**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 attention.

**If Swallowed:** Rinse mouth. Have 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. If you feel unwell, call a poison control center or physician immediately for treatment advice.

**If Inhaled:** Move person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. If you feel unwell, call a poison control center or physician for further treatment advice.

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

### Mixing Instructions

Prior to pesticide application, clean mixing and application equipment according to pesticide label directions. To minimize foaming fill spray tank 2/3 full of water and begin agitation. If foaming is anticipated the addition of an antifoaming agent should be added before pesticides, nutrients, or Plant-Tech HSMSO.

Unless instructed otherwise by pesticide label, add pesticides and/or fertilizers in the following sequence:

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

Continue agitation and add Plant-Tech HSMSO, when completed, reduce agitation and allow to mix for 1 to 2 minutes. While under minimal agitation, continue filling tank and allow to mix for 10 to 15 minutes prior to application.

Note: For optimum results, spray mixes containing Plant-Tech HSMSO should be applied within 36 hours.

**NOT FOR AQUATIC USE**

### General Information

Plant-Tech HSMSO is a superior blend of special emulsifier-surfactants and highly refined soybean oil that is designed for use with a broad range of pesticides where an oil concentrate adjuvant is recommended. Plant-Tech HSMSO is a high surfactant-load methylated seed oil. Plant-Tech HSMSO improves the efficacy of herbicides, insecticides, fungicides, fertilizers, and micronutrients. The addition of Plant-Tech HSMSO to a spray tank improves pesticide applications by modifying wetting and contact activity of the spray, enhancing penetration, and providing uniform deposition of spray deposit to the leaf surface. Plant-Tech HSMSO contains anti-foam to suppress foam development in tank-mix combinations.

### Storage and Disposal

Do not contaminate water, food or feed by storage or disposal of this product.

**Storage:** Store in a well-ventilated place. Keep cool. Keep container tightly closed and do not allow water to be introduced to contents of this container. Do not reuse this container.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water sources by cleaning of equipment or disposal of wastewaters. 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.agrecycling.org](http://www.agrecycling.org). Decontaminated containers may also be disposed of in a sanitary landfill. Dispose of contents/container in accordance with local/national regulations.

### NET CONTENTS

2.5 GALLONS (9.46 LITERS), OR,  
2 X 2.5 GALLONS (18.925 LITERS)  
265 GALLONS (1,003 LITERS)

Weight per Gallon @ 68°F (20°C) is 7.84 LBS

Plant-Tech HSMSO is a trademark of Plantnetics, LLC

### Manufactured for:



Plantnetics®

15814 Champion Forest Drive, #191  
Spring, TX 77379

832-843-3199 • [www.plantnetics.com](http://www.plantnetics.com)

### Directions For Use

Always read and follow directions on the label of the pesticide being used with this product. Care must be taken when treating sensitive crops, particularly during periods of drought stress, high temperatures and high humidity.

#### Recommended Rates Below

- **1 pint per acre oil adjuvant recommended on pesticide label:** Apply 0.5 to 0.75 pints of Plant-Tech HSMSO per acre.
- **1.5 pints per acre oil adjuvant recommended on pesticide label:** Apply 0.75 to 1.00 pints of Plant-Tech HSMSO per acre.
- **1 quart per acre oil adjuvant recommended on pesticide label:** Apply 1 pint of Plant-Tech HSMSO per acre.
- **0.5% v/v oil adjuvant recommended on pesticide label:** Apply 1 to 2 quarts of Plant-Tech HSMSO per 100 gallons.
- **1.0% v/v oil adjuvant recommended on pesticide label:** Apply 2 to 4 quarts of Plant-Tech HSMSO per 100 gallons.

Note: If pesticide label recommendations are void of information for use of this product, the user should consult local agricultural resources, have prior experience using this adjuvant, or conduct limited test spray applications to determine most effective use rate for Plant-Tech HSMSO.

### Emergency Phone Numbers

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

POISON CONTROL CENTER: (800) 222-1222

FOR SPILL CALL CHEMTREC: (800) 424-9300

**Conditions Of Sale** If the stated terms herein are not acceptable, immediately return the product, unopened. Seller warrants that this product meets specifications at the time of manufacture. To the extent consistent with applicable law, no other warranty, whether express or implied, including without limitation the warranties of merchantability and fitness for a particular purpose, and all such other warranties are hereby expressly disclaimed by seller. All technical advice rendered is intended for use by persons having the appropriate certification, education, experience, and skill, and to the extent consistent with applicable law, Seller shall not be liable for any use or non-use of such advice. Factors, including but not limited to timing, mixture, application method, weather and other conditions are beyond Seller's control and ability to eliminate risks in use. Risks include damage from direct application to plants or caused by spray droplet or vapor drift to other plants. To the extent consistent with applicable law, Buyer assumes all risk and liability for all loss, damage or injury to person or property, including without limitation pollution, environmental damage and restoration or remediation liability, resulting from the use of said product, whether used singly or in combination with other substances, or the storage handling and disposal of the product. Except to the extent prohibited by applicable law, the exclusive remedy of the user and the limit of liability of Seller for any loss, personal injury or damage resulting from the use of this product, shall be the purchase price paid by the user for the quantity of product involved. To the extent consistent with applicable law Seller shall not be liable to the buyer for any damages arising out of product use, including without limitation goodwill, profits, manufacturing cost, or business interruption, regardless of the form or basis of buyer's cause of action.