

# TURBULENCE®

## MODIFIED VEGETABLE OIL AND SURFACTANT BLEND



### PRINCIPAL FUNCTIONING AGENTS:

Methylated vegetable oil, polyether modified polysiloxane, alkyl phenol ethoxylate	99.0%
Constituents Ineffective as Spray Adjuvants	1.0%
<b>Total</b>	<b>100%</b>
Contains organosilicone surfactant.	

NOTICE: DO NOT FREEZE. STORE ABOVE 40°F.

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

### KEEP OUT OF REACH OF CHILDREN



### WARNING/AVISO

Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

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

(If you do not understand the label, find someone to explain it to you in detail.)

### PRECAUTIONARY STATEMENTS

Wash hands thoroughly after handling. Wear protective gloves, eye and face protection. Avoid breathing mist or spray. Use only outdoors in a well-ventilated area.

#### FIRST AID

**IF IN EYES:** Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**IF ON SKIN:** Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse.

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor for treatment advice if you feel unwell.

### STORAGE AND DISPOSAL

Store in a well-ventilated place in original container. Keep container tightly closed. Store locked up. Protect from freezing. Shake well before use. Dispose of contents/container in accordance with Federal, state and local regulations. Do not reuse container. 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 the web page at [www.agrecycling.org](http://www.agrecycling.org). Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For Emergency, Spill, Leak, Fire, Exposure, or Accident, Call: CHEMTREC 1-800-424-9300

### GENERAL INFORMATION

Turbulence is a unique blend of a highly refined and modified vegetable oil and a superior nonionic organosilicone surfactant. Its distinctive chemistry allows for superior wetting and absorption of those pesticides or products whose labels recommend the addition of a spray adjuvant to improve coverage. The addition of Turbulence to a spray tank solution will improve a spray application by

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physically modifying the deposition and wetting characteristics of the spray solution, resulting in a more consistent and uniform spray deposit.

### DIRECTIONS FOR USE:

#### READ ENTIRE LABEL BEFORE USING.

Turbulence is labeled for use with pesticides in aquatic, industrial, right-of-ways, non-cropland, forestry, ornamental and turf applications. The addition of Turbulence to the spray solution has shown increased pesticidal activity especially if the following conditions exist:

1. When used during periods of low relative humidity and high temperature.
2. When used with water volume rates below 15 gallons per acre (GPA).
3. When target species exceed recommended size guidelines on the pesticide label.
4. When environmental conditions are less than favorable for the pesticide application.

APPLICATION	%v/v	RATE PER 100 GALLONS
Aerial	0.75% - 2.0%	6 - 16 pints
Ground	0.38% - 0.75%	3 - 6 pints
Aquatic	0.38% - 0.75%	3 - 6 pints
High Volume/Hand Held	0.25% - 0.75%	2 - 6 pints

**Note:** When using less than 3 GPA spray solution, use 3 ounces of Turbulence per acre. When spray solution exceeds 3 GPA, refer to the chart above, or use a minimum of 4 ounces Turbulence per acre. Rates of Turbulence may be altered for optimum results.

Follow the pesticide label(s) for additional recommendations. The addition of a spray adjuvant to some pesticide or pesticide tank mix combinations may cause phytotoxicity to the foliage and/or flowers of susceptible crops. Before using Turbulence where a non-ionic surfactant may not be recommended, the user or applicator advisor must have experience with the combination or must have conducted a phytotoxicity trial.

### Mixing

Prior to pesticide application, clean mixing and application equipment according to pesticide label directions. To minimize foaming, fill spray tank 2/3 – 3/4 full of water. If foaming is anticipated or occurs, add FoamForce. Add pesticides and/or fertilizers as directed by label or in the following sequence:

- A. Micronutrients and fertilizers,
- B. Dry flowables and dispersible granules,
- C. Flowables,
- D. Water soluble pesticides,
- E. Emulsifiable concentrates.
- F. Continue agitation and add Turbulence.

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After the addition of Turbulence, reduce agitation and allow to mix for 1 to 2 minutes. Continue filling tank while under minimal agitation. **Note:** For optimum results, spray mixes containing Turbulence should be applied within 36 hours.

### **Spray coverage and drift control:**

To optimize spray coverage or deposition, and to reduce drift, include Droplex® adjuvant.

### **NOTICE OF WARRANTY**

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOR IS ANY REPRESENTATIVE OF SELLER AUTHORIZED TO MAKE ANY SUCH WARRANTY OR MODIFY THESE TERMS. This warranty does not extend to the storage, handling or 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 storage, handling or use. Seller shall not be responsible for incidental or consequential damages, if any, resulting from a breach of warranty.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.html>

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