

# MATERIAL SAFETY DATA SHEET

MSDS #10140  
12/10/2009

Date Revised:

## I. PRODUCT INFORMATION

**Product Name:** Turbulence™

**Chemical Name:** Methyl esters of fatty acids, polyether modified polysiloxane and formulation aids

**Formula:** Proprietary Blend

**Distributor:** Winfield Solutions, LLC  
P.O. Box 64589  
St. Paul, MN 55164

EMERGENCY CONTACT: In the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals -- call CHEMTREC (800)-424-9300.

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS:	<u>PERCENT BY WEIGHT</u>
Proprietary Blend of Methyl esters of fatty acids,	100%
Polyether modified Polysiloxane and formulation aids	

## 3. HAZARDS IDENTIFICATION

**EYES:**

Causes moderate eye irritation.

**SKIN:**

Harmful if absorbed through skin.

**INHALATION:**

Inhalation may cause dizziness, drowsiness, headache and nausea.

**INGESTION:**

Ingestion may irritate the digestive tract; seek immediate medical attention.

**OTHER INSTRUCTIONS:**

A maximum of 1 ppm of ethylene oxide (EO) (75-21-8) may be present in this product. The OSHA PEL and the ACGIH TLV EO are 1 (one) ppm. Ethylene oxide is a NTP, IARC, and OSHA carcinogen. EO has also been determined to be a reproductive hazard. The trace levels of EO in this product are not expected to result in acute or long-term hazards when handled according to the precautions set forth in this MSDS. However, EO may accumulate in the container headspace and be released into the ambient environment. It is the responsibility of the employer to comply with OSHA ethylene oxide standards (29 CFR 1910.1047).

**4. FIRST AID MEASURES**

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. 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.

**5. FIRE FIGHTING MEASURES**

**FLASH POINT (Method):** >200 °F (PMCC)

**AUTOIGNITION TEMPERATURE:**  
Not determined

**FLAMMABLE LIMITS:**  
Lower: Not established  
Upper: Not established

**EXTINGUISHING MEDIA:**  
Use water spray, dry chemical, foam or carbon dioxide to extinguish flames.  
Use water spray to cool fire-exposed containers.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Do not enter fire area without proper protection. (See Hazard Decomposition, Section V). Fight fire from a safe distance and protected location. Heat may build pressure and rupture closed containers, spreading fire and increasing the risk of injury. Water may be ineffective in fire fighting. Use water spray/fog for cooling containers and firefighters. Notify proper authorities if liquid material enters the sewer or public waters.

**UNUSUAL FIRE OR EXPLOSIVE HAZARDS:**

None

**6. ACCIDENTAL RELEASE MEASURES****CLEAN-UP PROCEDURES:**

Absorb with an inert material such as sand, soil or vermiculite; sweep up and dispose of in accordance with federal, state, and local regulations.

**7. HANDLING AND STORAGE****HANDLING AND STORAGE PRECAUTIONS:**

Store in a cool, dry place. Store in original container. Keep tightly closed. Do not contaminate water, food or feed by storage or disposal.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****VENTILATION:**

Local exhaust to control to recommend P.E.L.

**EYE:**

Wear OSHA standard chemical splash goggles.

**RESPIRATORY PROTECTION:**

NIOSH/MSHA approved organic vapor respirator as necessary. For concentrations above 1,000 ppm, use air-supplied or self-contained breathing apparatus.

**OTHER:**

Avoid skin contact by wearing impervious clothing. Emergency eye wash fountains and safety showers should be available. Use good personal hygiene practices.

**9. PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE:**

Clear Yellow Liquid

**ODOR:**

Mild fatty odor

**SPECIFIC GRAVITY:**

.933 (+/- 0.05) @ 20°C

**FLASH POINT:**

>200 °F (Closed cup, D-56)

**PH (5% solution)**

5.67

**SOLUBILITY:**

Forms an emulsion

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable at ambient temperatures and atmospheric pressure.

**HAZARD DECOMPOSITION:** Incomplete combustion may yield carbon monoxide, carbon dioxide and other hazardous gas.

**CONDITIONS TO AVOID:** Strong oxidizing agents. Isolate from open flames and heat. Keep material away from aluminum metal, oleum, and nitroform.

## 11. TOXICOLOGICAL INFORMATION

Information not available.

## 12. ECOLOGICAL INFORMATION

Information not available.

## 13. DISPOSAL CONSIDERATIONS

### DISPOSAL PROCEDURES:

Dispose of in accordance with all applicable federal, state and local regulations.

## 14. TRANSPORTATION INFORMATION

### DOT SHIPPING DESCRIPTION:

Not regulated

## 15. REGULATORY INFORMATION

Information not available

## 16. OTHER INFORMATION

No specific notes.

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