

# Material Safety Data Sheet — WakeUP Advantage

Emergency Federal Contact Number: 800-331-7022

Revision Date: July 10, 2018

## 1. IDENTIFICATION OF PRODUCT

Liquid product: WakeUP Advantage

Distributed by

Advantage in Ag Solutions LLC

P.O. Box 13896

Ft. Pierce, FL 34979

772-216-5011



## 2. COMPOSITION INFORMATION ON INGREDIENTS

Proprietary liquid surfactant which complies with OSHA 29 CFR XVII-1910.1200 Section (i) "Trade Secrets." Contains no hazardous components under current OSHA definitions. Contents include botanically derived alcohols, fatty acids and surfactants.

## 3. HAZARDS IDENTIFICATION

Most Important Hazards: None

Specific Hazards: Keep concentrated product away from eyes. If eye irritation occurs, rinse eyes with water.

## 4. FIRST AID MEASURES

General Advice: No adverse effects on skin contact. Odor: Non-reactive; No first aid needed.

Skin Contact: Non-irritating, but may sting on skin cuts.

Eye Contact: Rinse with plenty of water.

Ingestion: Non-toxic in small amounts. Product is not intended for internal use.

## 5. FIREFIGHTING MEASURES

Suitable Extinguishing Media: The product does not burn.

Specific Hazards: None

Specific Methods: Product itself can be used to put out fires.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: If spilled, floor will be slippery; exercise caution in cleanup with water.

Environmental Precautions: Non-toxic, non-hazardous to municipal sewage treatment.

## 7. HANDLING AND STORAGE

Technical Measures/Precautions: Normal ventilation is adequate.

Safe Handling Advice: No special handling necessary.

Technical Measures/Storage Conditions: WakeUP Advantage thickens slightly with extreme cold, but flows easily upon warming, with no reduction in effectiveness. May be stored in unheated facilities. Product will darken in color over time, but extended storage will not reduce its efficacy.

Freezing point: Not known, but may thicken at 15° below zero F. No water is used in manufacturing.

Incompatible Products: No special restrictions on storage with other products.

Packaging Material: No restrictions.

Hazard Scale Product Rating:

4 Extreme Fire	0
3 High Toxicity	0
2 Moderate Reactivity	0
1 Slight Health	0
0 Insignificant Safety	0

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: General room ventilation is satisfactory.

Control Parameters: None needed.

Respiratory: None needed.

Hands and skin: None needed.

*Personal Protection Equipment* –

Eyes: Safety glasses recommended.

Hygiene Measures: Avoid contact with eyes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Percent Volatile by Volume: Nil

Boiling Point/Range: 100°C (212°F)

Color: Light amber

Decomposition Temperature: > 348°C (658°F)

Evaporation Rate: 0.7

Explosive Properties: None

Flash Point: None (Penske Martin Closed Cup)

Water Solubility: 99.935%

Volatile Organic Compounds: None measurable by U.S. EPA Methods 601, 602 and 608

Melting Point/Range: Product is liquid

Odor: Mild ammoniacal odor (3.5% nitrogen)

pH: 10.2 – 10.5 range

Relative Density: Greater than 1 (water = 1)

Vapor Density: 0.623

Vapor Pressure: 0.2 psi @ 20°C (68°F)

Viscosity: < 100 cps @ 25°C (77°F)

Form: Slightly viscous liquid

## 10. STABILITY AND REACTIVITY

Conditions to Avoid: No decomposition occurs. Under very low temperatures, product is viscous.

Materials to Avoid: None known. If blended as a concentrate with liquid fertilizers, WakeUP *Advantage* will bond with water and probably precipitate out fertilizer elements. Always dilute WakeUP *Advantage* with water before blending with fertility or crop protection products, and then conduct a sample jar test.

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Non-toxic.

Specific Effects: None.

Local Effects: Slight eye irritant.

Hazardous Decomposition Products: None known.

## 12. ECOLOGICAL INFORMATION

This product is readily biodegradable and can be used as a cleanser for home and farm applications. WakeUP *Advantage* reduces water surface tension, thus should not be sprayed onto or dumped into ponds, streams or aquariums containing fish. Reduced surface tension of water from any surfactant compromises the ability of fish to extract oxygen from water. Lab tests and on-farm experience indicate no adverse effect on beneficial soil organisms such as mycorrhizal fungi.

## 13. DISPOSAL CONSIDERATIONS

Recaptured Residues or Unused Product: Can be used as directed after filtering.

Packaging: If recycling of container is not practical, dispose of in compliance with Environmental Protection Agency Regulations.

## 14. TRANSPORT INFORMATION

Not classified as hazardous under U.S. transportation regulations. US DOT Classification: 55

## 15. REGULATORY INFORMATION

Product complies with known regulatory considerations and is not federally regulated. Under state agricultural product regulations, Product is a surfactant / adjuvant for use with foliar spray programs.

## 16. OTHER INFORMATION

Recommended Uses: Blended with at least 100 parts water, WakeUP *Advantage* reduces surface tension of spray solutions, improving systemic transfer of natural sugars from photosynthetic cells through phloem circulation to roots, new growth areas and seed formation. Also improves leaf absorption and systemic mobility of foliar-applied crop products. Do not add other surfactants or “stickers” with WakeUP *Advantage* in tank mixes; it is a superior surfactant when used alone.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge at date of publication. Information given is only as guidance for safe handling, use, processing, storage, transportation and disposal. It is not a warranty or performance specification. For further information, contact distributor.