

Material Safety Data Sheet — WakeUP Summer

Emergency Contact Number: 800-331-7022

Revision Date: February 15, 2013

1. IDENTIFICATION OF SUBSTANCE AND COMPANY

WakeUP Summer

Distributor: Renewable Farming LLC
1527 South Union Road
Cedar Falls IA 50613

Office: 319-277-1904 *Fax:* 319-277-7456
Emergency numbers: 319-610-2506 319-240-4547

2. COMPOSITION INFORMATION ON INGREDIENTS

Proprietary Non-Ionic Surfactant Compound 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, buffers and surfactants.

3. HAZARDS IDENTIFICATION

Most Important Hazards: None

Specific Hazards: May be an eye irritant. Do not spray into eyes. If irritation occurs, rinse with water.

4. FIRST AID MEASURES

General Advice: No adverse effects on skin contact. *Inhalation:* 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.

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

Methods for Cleaning Up: Flush area with abundant amounts of water.

7. HANDLING AND STORAGE

Technical Measures/Precautions: Normal ventilation is adequate.

Safe Handling Advice: No special handling necessary.

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

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)

Dielectric Strength: 1500 volts @ 500 vps

Explosive Properties: None

Flash Point: None (Penske Martin Closed Cup)

Water Solubility: 99.935%

Volatile Organic Compounds: None measurable

Melting Point/Range: Product is liquid

Odor: Mild surfactant odor

pH: 10.2 – 10.5 range

Relative Density: Greater than 1 (water = 1)

Specific Gravity: 1.009

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 freezing conditions, product is viscous.

Materials to Avoid: None known. Does not react with surfaces.

Hazardous Decomposition Products: None known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Non-toxic.

Local Effects: Temporary stinging sensation on open wounds.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

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

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

14. TRANSPORT INFORMATION

Not classified as hazardous under U.S. transportation regulations. US Department of Transportation Classification for shipping purposes: 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 Summer sharply reduces surface tension of spray solutions, improving phloem transfer of natural sugars from photosynthetic cells 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 Summer in tank mixes; it is a superior surfactant when used alone. Do not use WakeUP Summer tank-mixed with a crop protection product which recommends “no added surfactants.”

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. This information relates only to WakeUP Summer and is not valid if Product is used in combination with any other materials or in any process. For further information, contact distributor.