

MATERIAL SAFETY DATA SHEET

Date Prepared: 1-1-2009

(Prepared According to 29CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product: Farmer's Foliar

Company: OrganicNow.World

Product Type: 500:1 Foliar Fertilizer

SECTION 2: INGREDIENTS

CHEMICAL NAME	Percent	FORMULA: Proprietary
Active - Tall Oil	20%	
Inert Ingredients	80%	

Complies with OSHA 29 CFR - 1910.1200 Section (j) "TRADE SECRETS",
Contains no hazardous components under current OSHA Definitions.
100% BIOBASED Product ingredients: Fatty Acid, and ingredients from the FDA GRAS, EAFUS and FDA Food Additive Inert List.

SECTION 3: PHYSICAL DATA / CHEMICAL PROPERTIES

BOILING POINT 202.30 F	FREEZING POINT 25.7F	SPECIFIC GRAVITY 8.9	VAPOR PRESSURE *NE
(H ₂ O = 1 (Air = 1)	VAPOR DENSITY *NE WATER, % by wt. *NE	SOLUBILITY Miscible with water APPEARANCE AND ODOR: Amber, Faint Odor.	
	EVAPORATION RATE *NE	PH 9.95	

(ANALYSIS completed on 1-1-2009 100% Solution)

METHOD	PARAMETER	RESULT	UNITS
EPA 160.4	Total Solids	0.40%	%
AOAC 978.02	Total Nitrogen (N)	3.42	%
AOAC 920.03	Nitrogen, Ammonia cal (N)	0.024	%
AOAC 958.01	Phosphorus (P)	< 0.16	%
ATOMIC Absorption	Iron	< 2.1	mg/Kg
	Magnesium (Mg)	< 2.7	mg/Kg
	Potassium (K)	< 2.3	mg/Kg
	Sodium (Na)	15	mg/L

Radiocarbon C-14 1-1-2006 USDA approved testing lab: Meets USDA proposed requirements for product tested at 90)

Clean Air Solvent: VOC is 1.0 g/L meets CAS criteria.

SECTION 4: FIRST AID MEASURES

SWALLOWING:	No Harmful Effects Expected	INHALATION:	No emergency care anticipated.
SKIN:	Rinse with water.	EYES:	Flush with water.

NOTES TO PHYSICIAN

Long term, widespread usage and review of ingredients indicate this product to be FDA (EAFUS) product.
There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

SECTION 5: FIRE AND EXPOSITION HAZARD DATA

FLASH POINT:	NE >205.0 F		
FLAMMABLE LIMITS:	LOWER N/A	UPPER N/A	
EXTINGUISHING MEDIA:	N/A		
SPECIAL FIRE FIGHTING PROCEDURES:	N/A	UNUSUAL FIRE & EXPLOSION HAZARD	N/A

SECTION 6: HEALTH HAZARD DATA WHEN READY TO USE

EFFECTS OF ACUTE OVEREXPOSURE

SWALLOWING:	No evidence of adverse effects.	EYE CONTACT:	No evidence of adverse effects.
SKIN ABSORPTION:	No evidence of adverse effects.	INHALATION:	No evidence of adverse effects.
SKIN CONTACT:	No evidence of adverse effects.	OTHER HEALTH HAZARDS:	None currently known.
AFFECTS OF REPEATED EXPOSURE:	No evidence of adverse effects.		

Carcinogens and Toxins:

Does not contain any known carcinogens in concentrations as per: Code of Federal Regulations 29 CFR 1910.1000 series, OSHA).

SECTION 7: HANDLING AND STORAGE

Safe handling procedures: None
Storage requirements: Store in a cool, well-ventilated area. Avoid low temperatures.

SECTION 8: STABILITY AND REACTIVITY

Stability and reactivity: Stable at room temperature, in normal handling and storage conditions.
Polymerization: None reported
Conditions to avoid: None reported
Materials to avoid: None reported
Hazardous decomposition products: None reported

SECTION 9: TOXICOLOGICAL INFORMATION

Exposure limits: None Available (N/Av) for the product. For more details, refer to Section 3.
Carcinogenicity: No ingredient listed by IARC, ACGIH, NTP and OSHA as a carcinogen.
Teratogenicity, Mutagenicity: None Available
Skin sensitization: None Available
Respiratory tract sensitization: None Available
Synergistic materials: None Available

SECTION 10: ECOLOGICAL INFORMATION

Environmental effects: N/Av
Important environmental characteristics: N/Av
Aquatic toxicity: N/Av
Chemicals contained: DOES NOT contain Class I or Class II Ozone depleting substances as defined by 40 CFR 82 equal or greater 1.0 % Wt.

SECTION 11: DISPOSAL CONSIDERATIONS

Personal precautions: Evacuate the spill area as floor may be slippery. Use care to prevent falling.
Spill response/Cleanup: Flush area with water.
Environmental precautions: Dispose of as per local, state and federal regulations.

Chemicals contained are not listed as Hazardous waste in accordance with 40 CFR 261 Volatile Organic Compounds (VOC's) VOC levels of DDC by weight of the cleaner do not exceed 10% in accordance with 40 CFR Parts 9 and 59. Est. tested amount our product < 1mm Hg. No ingredients at RTU is greater than .002 percent.

SECTION 12: N/A

SECTION 13: Hazard Rating

Government Hazard Rating

4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

Sciences Ratings

FIRE 0
REACTIVITY 0
TOXICITY 0
SPECIAL 0

SECTION 12: OTHER INFORMATION

The technical data supplied to the Manufacturer, has been edited to avoid disclosure of proprietary information and to avoid redundancy.
All inquires concerning the content of this document should be directed to the Manufacturer.

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists	CAS	Chemical Abstract Service
IAR	International Agency for Research on Cancer	CFR	Code of Federal Regulation
NIOSH	National Institute for Occupational Safety and Health	VOC's	Volatile Organic Cleaner
NTP	National Toxicology Program (U.S.A.)	OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit	STEL	Short-term Exposure Limit
TLV	Threshold Limit Value	TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System	N/A	Not Applicable
NE	None Established	N/Av	Not Available