MATERIAL SAFETY DATA SHEET

WINFIELD SOLUTIONS, LLC

PRODUCT NAME(S) AD 100

For Emergency Call: Chem Trec: 800-424-9300

Effective Date: 09/19/2007

I. IDENTIFICATION

CHEMICAL NAME OF PRIMARY COMPONENT(S): Oil of limonene and nonionic emulsifiers

FORMULA: Not applicable MOLECULAR WEIGHT: Not applicable

SYNONYMS: Not applicable **CAS # & NAME:** Not applicable

EPA Reg No. Not applicable

II. INGREDIENTS/SUMMARY OF HAZARDS

(H)/INGREDIENT(S)`	CAS NUMBER	OSHA HAZARD NON-HAZARD (NH)	PERCENT
Oil of limonene and nonionic emulsifiers			100%

	NFPA 1/	HMIS ^{2/}
HEALTH	1	1
FIRE	2	2
REACTIVITY	0	0

1/ National Fire Protection Association Rating

2/ Hazardous Materials Identification System

(4 = Extreme/Severe 3 = High/Serious 2 = Moderate 1 = Slight 0 = Minimum)

SARA TITLE III HAZARD CLASSIFICATION

IMMEDIATE (ACUTE) HEALTH	Yes		
DELAYED (CHRONIC) HEALTH	No		
FIRE	Yes		
SUDDEN RELEASE OF PRESSURE	No		
REACTIVE	No		

III. PHYSICAL DATA

SPECIFIC GRAVITY: 0.840 to 0.845
BOILING POINT: 175.7° C
FREEZING POINT: Not determined

VAPOR PRESSURE: 760 SOLUBILITY IN WATER: None

APPEARANCE: Colorless to slighty yellow liquid

ODOR: Slight citrus odor

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 121°F (PMCC)

FLAMMABLE LIMITS IN AIR: Not determined AUTOIGNITION TEMPERATURE: Not determined

EXTINGUISHING MEDIA: Use carbon dioxide or dry chemical for small fires and water fog or foam

(alcohol, polymer or ordinary) for large fires. Water stream may spread flames.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should use self contained breathing apparatus

and full turnout gear. Prevent runoff of fire water. Avoid exposure to smoke. **UNUSUAL FIRE AND EXPLOSION HAZARDS:** Burns with intense heat.

V. REACTIVITY DATA

STABILITY: Unstable under heat conditions.

CONDITIONS TO AVOID: Exposure to heat, light or storage in unsealed containers.

MATERIALS TO AVOID: Avoid exposure to air, heat, light, and introduction of strong acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Strong acids and bases

HAZARDOUS POLYMERIZATION: Will not occur.

VI. HEALTH HAZARD DATA/FIRST AID PROCEDURES

TOXICOLOGY DATA:

Acute Oral LD50 (rat):Not determinedAcute Dermal LD50 (rabbit):Not determinedAcute Inhalation:Not determinedEye Irritation (rabbit):Not determinedDermal Irritation (rabbit):Not determinedDermal Sensitization:Not determined

EXPOSURE LIMITS:

CHEMICAL NAME(S)	ACGIH (TLV)	OSHA (TWA)
Oil of Limonene	Not established	Not established

CARCINOGENICITY, TERATOGENICITY, MUTAGENICITY: Not listed as a carcinogen by NRC, IARC or OSHA

SIGNS OF POISONING: Skin/eye irritation, gastric distress.
PRIMARY ROUTES OF ENTRY: Ingestion, skin/eye contact.

EFFECTS OF SINGLE OVEREXPOSURE:

Swallowing: Ingestion of large amounts may cause nausea and gastric distress..

Skin Absorption: May cause skin irritation.

Inhalation: No hazard anticipated

EFFECTS OF REPEATED OVEREXPOSURE: Prolonged or repeated overexposure may cause skin

and/or eye irritation.

OTHER EFFECTS OF OVEREXPOSURE: None known.

EXISTING MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Skin contact may aggravate preexisting skin conditions. Inhalation of mists may aggravate preexisting respiratory conditions.

EMERGENCY AND FIRST AID PROCEDURES:

Swallowing: Call a physician or poison control center. PRECAUTION: To prevent the aspiration of

swallowed product, lay patient on side with the head lower than the waist.

Skin: Wash affected area with plenty of soap and water. Remove contaminated clothing.

Launder contaminated clothing separately.

Eyes: Hold eyelids open and flush with a steady stream of water for at least 15 minutes. GET

MEDICAL ATTENTION.

Inhalation: Remove victim to fresh air. If not breathing, administer artificial respiration. GET

MEDICAL ATTENTION.

NOTE TO PHYSICIAN: Treat symptomatically

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Dike the area using absorbent or materials such as sand or clay. Recover and contain as much product as possible using absorbent. Clean spill area using a solution of water and detergent. Collect and contain wash water and all contaminated absorbent for disposal. If spilled on the ground, the affected area should be excavated to a depth of 1 - 2 inches. Prevent the spilled product or washings from reaching public sewers or waterways. Wear appropriate protective equipment during the cleanup. Ensure that tools and equipment are adequately decontaminated.

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations. **CONTAINER DISPOSAL:** Dispose of in an approved facility according to federal, state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, secure area away from sources of heat or ignition.

VIII. SPECIAL PROTECTION INFORMATION

PROTECTIVE EQUIPMENT SHOULD BE USED DURING THE FOLLOWING PROCEDURES:

- Manufacture or formulation of this product.

- Repair and maintenance of contaminated equipment.

Clean up of leaks and spills.

Any other activity that may result in hazardous exposures.

RESPIRATORY PROTECTION: If misting conditions exist, use NIOSH/MSHA approved respirator for

organic vapors.

VENTILATION: Local exhaust

PROTECTIVE CLOTHING: Chemical resistant gloves, coveralls, apron and foot coverings.

EYE PROTECTION: Safety goggles.

USER SAFETY RECOMMENDATIONS: Safety showers and eye wash should be easily accessible.

IX. REGULATORY STATUS

TSCA INVENTORY STATUS: TRANSPORTATION STATUS: DOT INFORMATION:

Container	Proper Shipping	Hazard	Label	Packing
Capacity	Name	Class		Group
Greater than 119 gallons	Combustible liquid, N.O.S. (Oil of Limonene), NA 1993	Combustible Liquid	Combustible (3) Placard	III

SARA TITLE III

Section 302-304 (40 CFR 350): Not given

Extremely Hazardous Substance (EHS): Not applicable

Section 312, Reporting (40 CFR 370):

SARA/OSHA Hazardous Chemical Reporting Quantity: 10,000 lbs.

Section 313, Toxic Chemicals: Reportable Quantity (RQ): Not listed

RCRA HAZARDOUS WASTE: Not listed (may be characterisic waste)

International Right-To-Know Regulations:

X. REFERENCES

1) Supplier sponsored studies.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.