

MATERIAL SAFETY DATA SHEET

SECTION 1. Chemical Product and Company Identification Sun Spray Ultra-Fine Year Round Pesticidal Oil

PRODUCT CODE: 862-28-270 , REFERENCE #: 2571

PRODUCT NAME: Sun Spray Ultra-Fine Year Round Pesticidal Oil

TRADE NAME: Sun Spray Ultra-Fine Year Round Pesticidal Oil

CHEMICAL FAMILY: Blend

SYNONYMS

Pesticidal Oil

MANUFACTURER NAME AND
ADDRESS:

TELEPHONE
NUMBERS:

DATES:

Farnam Companies, Inc.	24 hour emergency number	(602)285-1660	Date Entered: 04/10/1998
301 West Osborn Road	Business hours	(602)234-2269	Revision: 04/26/2001
Phoenix, AZ. 85013	Marketing	(602)285-1660	Printed: 05/02/2001

SECTION 2. Composition/Information on Ingredients Sun Spray Ultra-Fine Year Round Pesticidal Oil

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY/COMMON NAME)	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS	PERCENTAGE
Distillates (petroleum), Solvent-refined light paraffinic	64741- 89-5				90.0 -100.0

SECTION 3. Hazards Identification Sun Spray Ultra-Fine Year Round Pesticidal Oil

EMERGENCY OVERVIEW

ROUTE(S) OF ENTRY: Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes , Other:

POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC)

Harmful if swallowed. This material contains a light petroleum hydrocarbon distillate and if swallowed, an aspiration hazard may exist. Liquid may enter the lungs and cause injury.

CARCINOGENICITY: NTP? No , IARC Monographs? No , OSHA Regulated? No

CARCINOGENICITY/OTHER INFORMATION

SIGNS AND SYMPTOMS OF EXPOSURE

SECTION 4. First Aid Measures
Sun Spray Ultra-Fine Year Round Pesticidal Oil

EMERGENCY AND FIRST AID PROCEDURES

IF INHALED: Move person to fresh air.

IF ON SKIN: Wash with soap and water until no odor remains. If redness or swelling develops, obtain medical attention. Wash clothing before reuse.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, obtain medical attention.

IF INGESTED: Do NOT induce vomiting. Do not give liquids. Obtain Emergency medical attention. Small amounts which accidentally enter mouth should be rinsed out until taste of it is gone.

NOTE TO PHYSICIAN

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Disorders or diseases of the skin, respiratory, pulmonary system, and lung (E.G. Asthma-like conditions)

SECTION 5. Fire Fighting Measures
Sun Spray Ultra-Fine Year Round Pesticidal Oil

FLASH PT: 340.0 F METHOD USED: COC

EXPLOSIVE LIMITS: LEL: UEL:

AUTOIGNITION PT: 650.0 F EXTINGUISHING MEDIA

Water spray, regular foam, dry chemical, or carbon dioxide.

FIRE FIGHTING INSTRUCTIONS

Wear self-contained breathing apparatus. Wear structural firefighters protective clothing.

FLAMMABLE PROPERTIES AND HAZARDS

Can be made to burn (flash point greater than 200 degrees F.)

HAZARDOUS COMBUSTION PRODUCTS

ADDITIONAL FIRE FIGHTING INFORMATION

Can be made to burn. Use water spray, regular foam, dry chemical, or carbon dioxide. Wear self-contained breathing apparatus. Wear structural firefighters protective clothing.

SECTION 6. Accidental Release Measures
Sun Spray Ultra-Fine Year Round Pesticidal Oil

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Contain spill. Use Personal Protective equipment. Advise EPA (& state agency, if required.) Absorb with inert material. Shovel, vacuum or sweep spill.

SECTION 7. Handling and Storage
Sun Spray Ultra-Fine Year Round Pesticidal Oil

HAZARD LABEL INFORMATION:

Store in tightly sealed container Store in cool, dark area
Avoid breathing mist or vapor Avoid contact with skin and eyes.

PRECAUTIONS TO BE TAKEN IN HANDLING

NFPA Class III B Storage. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

PRECAUTIONS TO BE TAKEN IN STORING

OTHER PRECAUTIONS

WORK/HYGIENIC/MAINTENANCE PRACTICES

Contaminated clothing and shoes should be cleaned before reuse. Eye wash stations should be available. Have facilities available to clean product from skin and eyes. Wash hands after use and before eating, smoking, or using restroom.

SECTION 8. Exposure Controls/Personal Protection
Sun Spray Ultra-Fine Year Round Pesticidal Oil

PROTECTIVE EQUIPMENT SUMMARY - HAZARD LABEL INFORMATION

Splash proof safety goggles Impervious gloves Clothes to prevent skin contact

RESPIRATORY EQUIPMENT (SPECIFY TYPE)

Concentration in air determines protection needed. Use only NIOSH certified respiratory protection.

Respiratory protection usually not needed unless product is heated or misted. Half-mask air purifying respirator with dust/mist filters or HEPA filter cartridges is acceptable to 10 times the exposure limit. Full-face air purifying respirator with dust/mist filters or HEPA filter cartridges is acceptable to 50 times the exposure limit. Protection by air purifying respirators is limited. Use a positive pressure-demand full-face supplied air respirator or SCBA for exposures above 50X the exposure limit. If exposure is above IDLH (Immediately dangerous to life and health) or there is the possibility of an uncontrolled release or exposure levels are unknown, then use a positive pressure-demand full-face supplied air respirator with escape bottle or SCBA.

EYE PROTECTION

Splash proof chemical goggles recommended.

PROTECTIVE GLOVES

Protective gloves recommended when prolonged skin contact cannot be avoided. The following glove materials are acceptable: polyvinyl chloride (PVC), Neoprene, Nitrile, polyvinyl alcohol, Viton

OTHER PROTECTIVE CLOTHING

If contact is unavoidable, wear chemical resistant clothing. The following materials are acceptable as protective clothing materials: polyvinyl alcohol (PVA), polyvinyl chloride (PCV), Neoprene, Nitrile, Viton, Polyurethane. Launder soiled clothes.

ENGINEERING CONTROLS (VENTILATION ETC.)

Ventilate as needed to comply with exposure limit.

Government regulation - Oil mist 5 mg/m³ (OSHA PEL/ACGIH TLV)

SECTION 9. Physical and Chemical Properties
Sun Spray Ultra-Fine Year Round Pesticidal Oil

PHYSICAL STATES:	[] Gas , [X] Liquid , [] Solid
BOILING POINT:	
MELTING POINT:	
SPECIFIC GRAVITY (WATER = 1):	.86
VAPOR PRESSURE (VS. AIR OR MM HG):	<0.0001 at 20.0 C

VAPOR DENSITY (VS. AIR = 1): 8+
EVAPORATION RATE (VS BUTYL ACETATE=1): 1000X slow
SOLUBILITY IN WATER: nil
PERCENT VOLATILE:
PH: N/A
APPEARANCE AND ODOR
Colorless fluid with little odor

SECTION 10. Stability and Reactivity
Sun Spray Ultra-Fine Year Round Pesticidal Oil

STABILITY: Unstable [] Stable [X]
CONDITIONS TO AVOID - INSTABILITY
None known
INCOMPATIBILITY - MATERIALS TO AVOID
Strong oxidizers
HAZARDOUS DECOMPOSITION OR BYPRODUCTS
Combustion will produce carbon monoxide and asphyxiants
HAZARDOUS POLYMERIZATION: Will occur [] Will not occur [X]
CONDITIONS TO AVOID - HAZARDOUS POLYMERIZATION
Will not occur

SECTION 11. Toxicological Information
Sun Spray Ultra-Fine Year Round Pesticidal Oil

CHRONIC TOXICOLOGICAL EFFECTS

SECTION 12. Ecological Information
Sun Spray Ultra-Fine Year Round Pesticidal Oil

SECTION 13. Disposal Considerations
Sun Spray Ultra-Fine Year Round Pesticidal Oil

WASTE DISPOSAL METHOD
Follow Federal, state and local regulations. Not a RCRA Hazardous waste if uncontaminated, If "used", RCRA criteria (ignitability, reactivity, corrosivity, toxicity characteristics) must be determined. Do not flush to drain/ storm sewer/ Contract to authorized disposal service.

SECTION 14. Transport Information
Sun Spray Ultra-Fine Year Round Pesticidal Oil

DOT PROPER SHIPPING NAME

DOT HAZARD LABEL: Not Regulated; Petroleum Oil NOIBN
UN/NA NUMBER:
ADDITIONAL TRANSPORT INFORMATION

SECTION 15. Regulatory Information
Sun Spray Ultra-Fine Year Round Pesticidal Oil

SECTION 16. Other Information
Sun Spray Ultra-Fine Year Round Pesticidal Oil

SARA 311 Category - Immediate (acute) Health Effects - Yes
Sunspray Untra Fine Oil is in EPA Catefory IV. CAUTION: KEEP OUT OF REACH OF CHILDREN. Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

NFPA HAZARD RATINGS:		Minimal: 0
Health:	0	Slight: 1
Flammability:	1	Moderate: 2
Reactivity:	0	Serious: 3
Special Hazard:		Extreme: 4

IMPORTANT: The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.
