

MATERIAL SAFETY DATA SHEET

Manufacturer: The Espoma Company
6 Espoma Road
Millville, NJ 08332

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Telephone: 800-634-0603

I. PRODUCT INFORMATION

Product: **4n1 Weed Control RTU**
EPA Reg. No. 67702-18-83598
Chemical Name: Ammoniated soap of fatty acids
Chemical Family: Salts of carboxylic acids

II. HAZARDOUS INGREDIENTS

<u>Components</u>	<u>%</u>	<u>Hazard Information</u>
Ammoniated Soap of fatty acids	3-4%	Eye irritant

III. PHYSICAL AND CHEMICAL CHARACTERISTICS (FIRE AND EXPLOSION DATA)

Solubility in Water:	Miscible in all proportions
Appearance and Odor:	Clear, colorless, odour of soap, ammonia
Flash Point (°C):	N/A
Specific Gravity, 25°C:	0.99
pH:	7.80 ± 0.20
Extinguishing Media for Fires:	Water, CO ₂ , foams
Special Fire Fighting Procedures:	Normal extinguishing procedures

N/A - not applicable, NAV - not available, ca. - approximately

IV. PHYSICAL HAZARDS

Stability:	Product is stable
Conditions to Avoid:	Exposure to excessive heat
Materials to Avoid:	None known
Hazardous Decomposition Products:	CO ₂ , CO, NO _x , NH ₃
Hazardous Polymerization Conditions:	None known

V. HEALTH HAZARD DATA

	LD ₅₀ (oral) >5000 mg/kg
LC ₅₀ (fish): NAV	LD ₅₀ (dermal) >5000 mg/kg
Carcinogen or Potential Carcinogen	NTP:no IARC:no OSHA: no
Skin:	May cause moderate to severe reversible irritation.
Eyes:	May cause moderate to severe reversible injury.
Ingestion:	None identified
Inhalation	Can be expected to cause slight irritation if fine droplets are inhaled.
Medical Conditions Aggravated:	Chronic skin, eye or respiratory disease.

VI. EMERGENCY FIRST AID PROCEDURES

Skin:	Wash with plenty of soap and water. Consult physician if irritation persists.
Eyes:	Hold eyelids open and flush with gentle, steady stream of water for 15 minutes. Consult physician if irritation persists.
Ingestion:	Consult a physician.
Inhalation:	Remove to fresh air.

VII. SPECIAL PROTECTION INFORMATION

Ventilation:	Adequate ventilation for an aerosol should be provided.
Respiratory Protection:	None required
Eye Protection:	Chemical safety goggles.
Protective Gloves:	Neoprene or rubber

VIII. SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Storage Recommendations:	Store at ambient temperatures, tightly capped.
Spill or Leak Procedures:	Absorb large spills with absorbent materials. Will be very slippery.
Disposal Recommendations:	Dispose of in accordance with local regulations.