

PRODUCT NAME: AD-L
PRODUCT ID #:214

SECTION I MANUFACTURER'S INFORMATION

Manufacturer's Name & Address
 Northwest Agricultural Products
 821 S. Chestnut
 Pasco, Washington 99301

Emergency Telephone Number: 509-547-8234
 Number for Information: 509-547-8234
 Date Prepared: May 15,2001

SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

****PRODUCT INFORMATION****

Chemical Name: d-Limonene
 Chemical Family: Emulsifier Blend
 Formula: Proprietary
 NFPA/HMIS: Health -X, Fire-X, Reactivity-X
Hazardous Components: N/A

CAS	%	PEL	TWA	ACGIH STEL
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N/A

Non-Hazardous Components- Mixture of non-hazardous ingredients
 CGIH TLV OSHA PEL

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	175-79°C	Specific Gravity (H ₂ O = 1):	0.852
Vapor Pressure (mm Hg.):	760	Melting Point:	N/A
Vapor Density (Air = 1):	N/A	Evaporation Rate (Butyl Acetate = 1):	N/A

Solubility in Water: None
 Appearance and Odor: Colorless to slightly yellow liquid. Slight citrus odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 121 ⁰ F	Flammable Limits: NA	LEL	UEL
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Extinguishing Media: Dry chemical, carbon dioxide, water, foam
 Special Fire Fighting Procedures:
 Unusual Fire and Explosion: N/A

SECTION V REACTIVITY DATA

Stability	x Unstable	Stable if stored in well-filled nitrogen or inert gas-purged drums. Storage below 45°F is preferred to preserve quality and prevent oxidation.	Conditions to avoid – N/A
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Incompatibility (Materials to Avoid): Avoid exposure to air, heat, light and introduction of strong acids and bases.
 Hazardous decomposition or by-products: Strong acids and bases.
 Hazardous Polymerization: N/A Will Occur Will not Occur
 Conditions to Avoid:
 Keep out of Reach of Children, Avoid contact with eyes.

SECTION VI HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation No Hazard Anticipated	Skin Contact: May cause irritation	Ingestion: Contact a physician or poison control center
Health Hazards (Acute and Chronic)			
Carcinogenicity	NIP No	IARC Monographs No	OSHA Regulated No

Emergency and first aid procedures

Skin: Rinse with soap and water and apply petroleum jelly if necessary. Consult physician if irritation persists.
Ingestion: Contact physician or poison control center.
Inhalation: No hazard anticipated.
Note to physician: Treat symptomatically.



SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

Exposure Guideline(s):

Chemical listed as carcinogen or potential carcinogen

	Yes	No
National toxicology program:		X
I.A.R.C. Monographs		X
OSHA		X

OSHA permissible exposure limit: N/A

ACGIH Threshold Limit Value: N/A

Other exposure Limit Used: N/A

Ventilation: N/A

Respiratory Protection: N/A

Skin Protection: Wear oil resistant gloves and apron.

Eye Protection: Wear oil resistant goggles.

SECTION VIII Regulatory Information

DOT HAZARDOUS MATERIAL SHIPPING DESCRIPTION: Not regulated.

SARA TITLE III:

SEC. 302-304 (40 CFR 350): Not listed

Extremely Hazardous Substance (EHS): Not applicable

Reportable Quality (R.Q.): Not listed

SEC. 312 REPORTING (40 CFR 370): SARA/OSHA Hazardous Chemical Reporting Quantity is 10,000 pounds

Reporting Status – mixture, liquid

Reporting Hazards – acute, fire

SEC. 313 Reporting (40 CFR 372): Not listed

RCRA Hazardous Waste: Not listed (may be characteristic waste)

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

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Pasco, WA 99301

DATE: May 15, 2001

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