

PRODUCT NAME: AGRO-LIG SLD
Product ID# 178

SECTION I MANUFACTURER'S INFORMATION

Manufacturer's Name And Address:		Emergency Telephone Number:	800-426-5969
Northwest Ag Products		Number for Information:	800-426-5969
821 S Chestnut		Date Prepared:	February 10, 2000
Pasco, WA 99301			

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

(Specific Chemical Identity): Common Name(s)

	OSHA PEL	ACGIH TLV	Other Limits Recommended	% Optional
Coal Dust CAS # - None				
<u>10mg/m3</u>	=1.5 mg/m3	0.1 mg/m3		
%siO2+2				
Crystalline Quartz CAS #14808-60-7			2-6%	
Respirable Crystalline Quartz				
Present (TWA)	0.1mg/m3	0.1mg/m3	50ug/m3 TWA	2%
Proposed (TWA)		50ug/m3 TWA		
Nuisance Dust				
-Respirable	5 mg/m3	5 mg/m3		
-Total	15 mg/m3	10 mg/m3		

***WARNING*:**

This product contains a small amount of crystalline silica which may cause delayed respiratory disease if inhaled over a prolonged period of time. Avoid breathing dust. Use NIOSH/MSHA approved Respirator where TLV for crystalline silica may be exceeded. IARC Monographs on the evaluation of the "Carcinogenic Risk of Humans"(volume 42,1987) concludes that there is "limited evidence" of the carcinogenicity of Crystalline silica to humans. IARC classification 2A.

PRODUCT IDENTIFICATION

Chemical Name:	Naturally occurring mineral, Leonardite
Chemical Family:	North Dakota Crude Humic Acid
CAS No.:	1415-93-6
NFPA/HMIS:	Health-0, Fire -4, Reactivity-0, Specific Hazard-None
Dot Class:	Not Regulated

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity(H2O=1)	1.5
Vapor Pressure(mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate(Butyl Acetate=1)	N/A
Solubility In Water	0%-Negligible		
Appearance and Odor	Deep brown to black powder, almost odorless.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point(Method Used)	400° F Cleveland Cup Method
Flammable Limits	Not Available
Extinguishing Media	Water, Fog, Foam, Rock Dust
Special Fire Fighting Procedures	- Do not stir up dust with hose streams
Unusual Fire And Explosion Hazards - present. Granules burn similarly to coal or wood.	May explode if dust is suspended in air and ignition source is

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SECTION V REACTIVITY DATA

Stability-Unstable -Stable X	Conditions to Avoid	-None Known
Incompatibility (Materials to Avoid)	None Known	
Hazardous Decomposition or By-products	When Burned: CO, CO2, SO2 Hydrocarbons	
Hazardous Polymerization	May Occur	
	Will not Occur- X	
Conditions to Avoid	None Known	

SECTION VI HEALTH HAZARD DATA

Route(s) of entry: Inhalation? -Yes Skin? - No Ingestion? -No
Health Hazards(Acute and Chronic) - May cause delayed respiratory disease if dust inhaled over a period of time. Can cause eye irritation.
Carcinogenicity:NIP? -No IARC Monographs? - Yes
OSHA Regulated? -No
IARC Monographs on the evaluation of the "Carcinogenic Risk of Chemicals to Humans" (volume 42, 1987) concludes that there is "Limited Evidence" of the carcinogenicity of crystalline silica to humans. IARC classification 2A.
Signs and Symptoms of Exposure -Excessive inhalation of dust may result in shortness of breath and reduced pulmonary function.
Medical Conditions Generally Aggravated by Exposure - Individuals with pulmonary and/or respiratory disease including but not limited to asthma and bronchitis should be precluded from exposure to dust.

Emergency and First Aid Procedures Eyes: Flush with water, see physician if discomfort persists.
Skin: Wash with water
Gross Inhalation if Dust: Remove to fresh air; give oxygen artificial respiration if necessary;get medical attention.

SECTION VII PRECAUTION FOR SAFE HANDLING AND USE

Steps to be taken in case Material is released or spilled - Vacuum if possible to avoid generating airborne dust. Avoid breathing dust. Wear an approved respirator.
Waste Disposal Method - Follow Federal, State and Local regulations for solid waste.
Precautions to be taken in handling and storing - Avoid breathing dust, use NIOSHA/NSHA approved respirator where TLV limits for crystalline silica may be exceeded.

Other Precautions - Keep away from heat , sparks, and open flame.

SECTION VIII CONTROL MEASURES

Respiratory Protection(Specific type) - OSHA Standard 1910. 134 or ANSI Z88.2-1980 specification.

Ventilation:	Local Exhaust	-As Appropriate	Special -None
	Mechanical(General)	-As Appropriate	Other -None
	Eye Protection	-Recommended	

Protective Gloves: Not Required
Other Protective Clothing or Equipment - None
Work/Hygienic Practices Use good housekeeping practices.