

PRODUCT NAME: PAL
 PRODUCT ID: # 189

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: March 26, 2001

SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

PRODUCT INFORMATION	
Chemical Name:	Plant Nutritional Activator / Soil Amendment
Chemical Family:	Polymers
Formula:	Proprietary
NFPA/HMIS:	Health -2, Fire-0, Reactivity-0

Hazardous Components	CAS	%	OSHA PEL	ACGIH TLV	TWA
None					

Non-Hazardous Components-	CAS	%	ACGIH TLV	OSHA PEL
Anionic Polyacrylamide				
Calcium				

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	100 C°	Specific Gravity (H ₂ O = 1):	1.183
Vapor Pressure (mm Hg.):	Not Determined	Melting Point:	NA
Vapor Density (Air = 1):	Not Determined	Evaporation Rate (Butyl Acetate = 1):	Not Determined – slow
Solubility in Water:	Highly soluble		
Appearance and Odor:	Cloudy Blue.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):	NA	Flammable Limits:	NA	LEL	UEL
Extinguishing Media:	NA				
Special Fire Fighting Procedures:	NA				
Unusual Fire and Explosion:	NA				
Autoignition Temperature:	NA				

SECTION V REACTIVITY DATA

Stability	Unstable	Stable	X	Conditions to avoid – None Known
Incompatibility (Materials to Avoid)		Phosphorus containing materials.		Non-hazardous precipitants form.
Hazardous decomposition or by-products		None Known		
Hazardous Polymerization	Will Occur	Will not Occur	X	
Conditions to Avoid:				
Keep out of Reach of Children, Avoid contact with eyes.				

SECTION VI HEALTH HAZARD DATA

Route(s) of Entry			
Inhalation: YES			
Skin Contact: NO			
Skin Absorbtion: NO			
Ingestion: YES			
Eye Contact: YES			
Health Hazards (Acute and Chronic)		NONE	
Carcinogenicity	NIP No	IARC Monographs No	OSHA Regulated No
Signs and Symptoms of Exposure :			
NONE			
Medical Conditions Generally aggravated by Exposure:			
NONE			
Emergency and first aid procedures:			
Contact a physician immediately			
Note to Physician:			

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

<u>EYES</u>	STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Flush with large volumes of water until no chemical is present.
<u>GROUND</u>	STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Wash with water. This product is water soluble, biodegradable, and non-polluting.
<u>WASTE DISPOSAL METHOD:</u> Safe to wash into waste systems. It is bidegradable.	

SECTION VIII CONTROL MEASURES

Respiratory Protection (Specific Type): NONE			
Ventilation:	Local Exhaust: NONE	Special: NONE	
	Mechanical(General): NONE	Other: NONE	
Protective Gloves:	Rubber Gloves	Eye Protection:	Safety Goggles
Other Protective Clothing or Equipment: Protective Apron			
Work/Hygienic Practices: Use Good Housekeeping Practices.			

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS:
OTHER HANDLING AND STORAGE REQUIREMENTS: Shake well before using.

PREPARED BY: Alan S. Wicks

ADDRESS: Northwest Agricultural Products
821 S. Chestnut
Pasco, WA 99301

DATE: March 26, 2001

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