

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

PRODUCT NAME: PolyCal
PRODUCT ID: # 490

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

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 Absorption: 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

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

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: April 6, 2004

All information, recommendations and suggestions appearing herein concerning our products are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for his/her own use of the product described herein. Since the actual use by others is beyond our control, we make no guarantee, expressed or implied, as to the effects of such use, the results to be obtained or the safety and toxicity of the product: nor do we assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.