Material			
Safety			
Data	Hi-Yield® Bone Meal		
Sheet			

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Name: Voluntary Purchasing Groups, Inc.	Box 460, Bonham, TX 75418		
Emergency Telephone: (903) 583-5501 or (800) 424-9300 (Chemtrec)			
For Additional Information Contact: Product Manager or	Date Prepared: 03-14-03		
Chemtrec			
Common Name (Used on Label):	Chemical Family: Does not apply		
Hi-Yield® Bone Meal			
Chemical Name: Does not apply	Formula: Not determined		
Trade Name & Synonyms: Hi-Yield® Bone Meal			

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Protein	Not determined	Proprietary	Not established	Not established
Tricalcium Phosphate	7758-87-4	Proprietary	Not established	Not established

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration. TLV: Threshold Limit Value recommended by the American Conference of Governmental Industrial Hygienists.

SECTION 3 – PHYSICAL DATA

BOILING POINT (°F)	SPECIFIC GRAVITY (H ₂ O=1)		VAPOR PRESSURE (mm Hg)		
Not established	Not established			Not established	
PERCENT VOLATILE BY VOLUME (%) VAPOR D		VAPOR DEI	NSITY (AIR=1)	EVAPORATION RATE (ethyl ether=1)	
Not established		Not established Not e		Not est	tablished
SOLUBILITY IN WATER			REACTIVITY II	V WATE	R
Insoluble		Does not apply			
APPEARANCE AND ODOR					
Light straw granular solid; animal odd	or.				

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT (°F)	FLAMMABLE LIMITS IN AIR (% by volume)	
Not established	Lower: Not established Upper: Not established	
EXTINGUISHING MEDIA	AUTO IGNITION TEMPERATURE	
Use extinguisher appropriate for surrounding fire.	Not established	
UNUSUAL FIRE AND EXPLOSION HAZARDS		
None		
SPECIAL FIRE FIGHTING PROCEDURES		
Fires should be treated as wood fires.		

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SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS					
Eyes, Gastrointestinal tract					
SIGNS AND SYMPTOMS OF EXPOSURE					
(1) ACUTE OVEREXPOSURE					
		own. INHALATION: No specific effects			
	omfort possible nausea, vomiting and d	liarrhea if large quantities are ingested.			
(2) CHRONIC OVEREXPOSURE					
Not determined					
MEDICAL CONDITIONS GENERALL	LY AGGRAVATED BY EXPOSURE				
None determined					
CHEMICAL/COMPONENT LISTED A	AS CARCINOGEN OR POTENTIAL CA	RCINOGEN			
None					
NTP	IARC	OSHA			
☐ YES ☒ NO	☐ YES ⊠ NO	☐ YES ☒ NO			
OTHER EXPOSURE LIMITS					
	m3; OSHA PEL (nuisance dusts)= 15 n	ng/m3			
EMERGENCY AND FIRST AID PRO					
	r for 15 minutes. Seek medical a				
		medical attention if irritation persists.			
		victim to fresh air. If not breathing, give			
artificial respiration, seek medical atte	ention.				
	SECTION 6 - REACTIVITY DATA				
	SECTION 6 - REACTIVITY DATA				
STABILITY CONDI	SECTION 6 - REACTIVITY DATA TIONS TO AVOID				
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SECTION 8 - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

Not required under conditions of normal intended use. Use a NIOSH approved respirator if exposed is above 10mg/m3 nuisance dusts.

VENTILATION

Use in a well-ventilated area.

PROTECTIVE GLOVES

If skin contact is likely to occur.

EYE PROTECTION

Safety goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

None determined

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING

Keep container closed when not in use and store in a cool dry area.

OTHER PRECAUTIONS

None determined

SECTION 10 - OTHER INFORMATION

The information contained within was obtained from authoritative sources and is believed to be accurate for the manner in which the product is intended to be used. Other uses could result in ramifications, which are not included within this document.

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