13. DISPOSAL	1								
WASTE RESIDUE AND CONTAMINATED PACKAGING DISPOSAL	Triple rinse container, add rinsate to spray tank. Refer to manufacturer or supplier for information on con- tainer recovery or recycling. Dispose of packaging in a manner consistent with federal, state and local rec ulations.								
14. TRANSPOR	TATION INF	ORM	ATION	J					
US DOT TRANSPORT HAZARD CLASS	Not Available			LABELS & PLACARDS RE- QUIRED		Not Available			
	Not Available								
PACKING GROUP	Not Available								
MARINE POLLUTANT	Yes (Cobalt Sulfate)								
15. REGULATO	RY INFORM	ATIO	N						
CA PROP. 65	This product does not contain any chemicals known to state of California to cause cancer and birth de- fects or other reproductive harm.								
TSCA / CAA / CWA/ CERCLA	Under U.S. CERCLA not listed.								
SARA TITLE III	This product contains the following toxic chemical material(s) with known CAS numbers subject to report ing requirements established by SARA Title III								
	SARA Section 311/312 SARA Section 311/312			A Section 313,	S/	SARA Section 302, section 304			
	Pressure	No	C	omponent		CAS#	302 EHS TPQ	304 EHS RQ	
	Reactivity:	No		None		Proprietary	Not Listed	Not Listed	
	Immediate (Acute):	Yes							
	Delayed (Chronic):	No							
	Fire:	No							
INTERNATIONAL REGULATIONS	CANADA: WHMIS DSL/NDSL: Not L		ailable.		1				
16. OTHER INF	ORMATION								
ISSUE DATE SUPERCEDES	Novem All prev			Revi	sed:	5/19/2016			



The information contained herein is accurate to the best of our knowledge. Bio-Gro, Inc. makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Chemical additions, processing, or otherwise altering this material may make information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. All Rights Reserved.

1 IDENTIFIC	•		TY DATA S	SHEE	T NUE Cobalt 3%			
1. IDENTIFIC	CATI	ON						
MANUFACTURER/ OR SUPPLIER'S NAME					TELEPHONE NO./ AFTER HOURS EMERGENCY			
Bio-Gro, Inc.				(5	(509) 894-4110 / (800) 738-7457			
MAILING ADDRESS				MAN	MANUFACTURING ADDRESS			
PO Box 326 Mabton WA 98935				6	681 Glade Rd / Mabton WA 98935			
PRODUCT NAME				WE	WEBSITE			
NUE Cobalt 3%				<u> </u>	www.BioGro.com			
CHEMICAL FAMILY , SYNONYMS AND TRADE NAMES			AMES	REC	RECOMMENDED USE OR RESTRICTIONS OF THE CHEMICAL			
Cobalt Sulfate Solution , Inorganic Cobalts				A	Agricultural Mineral/Fertilizer			
	<u>с) іг</u>							
	3) IL	DENTIFICATI						
		HAZARD ST	ATEMENT		PRECAUTION STATEMENT			
WARNING Symbol(s)		H319: Cause	e skin irritatio es serious ey		Wear protective gloves/protective clothing/egprotection.			
		tation.			Do not handle until all safety precautions have been read and understood.			
\checkmark					Do not taste or swallow.			
				1	I ON INGREDIENTS			
COMPONENT CAS NUMBER		BY WEIGHT	HAZARD DATA					
Proprietary solution containing plant nut ents derived from C balt Sulfate:	tri-	Proprietary	100%	See Se	ction 2			
Proprietary solution containing plant nut ents derived from C balt Sulfate: GUARANTEED	tri-	Proprietary	100%	See Se	ection 2			
Proprietary solution containing plant nut ents derived from C balt Sulfate: GUARANTEED ANALYSIS:	tri-	Proprietary	100%	See Se	ection 2			
Proprietary solution containing plant nut ents derived from C balt Sulfate: GUARANTEED ANALYSIS:	tri-	Proprietary	100%	See Se	ection 2			
Proprietary solution containing plant nut ents derived from C balt Sulfate: GUARANTEED ANALYSIS: Cobalt (Co): 3%	tri- Co-		100%	See Se	ection 2			
Proprietary solution containing plant nut ents derived from C balt Sulfate: GUARANTEED ANALYSIS: Cobalt (Co): 3%	tri- Co-	EASURES						
Proprietary solution containing plant nut ents derived from C balt Sulfate: GUARANTEED ANALYSIS: Cobalt (Co): 3%	tri- Co- D ME Rins	EASURES	tter for several m	ninutes. F	Remove contact lenses if present and easy to do – continu			
Proprietary solution containing plant nut ents derived from C balt Sulfate: GUARANTEED ANALYSIS: Cobalt (Co): 3%	tri- Co- D ME Rins rinsi Was	EASURES se cautiously with wa	ter for several m tention if irritation	ninutes. F	Remove contact lenses if present and easy to do – continu			
Proprietary solution containing plant nut ents derived from C balt Sulfate: GUARANTEED ANALYSIS: Cobalt (Co): 3% 4. FIRST-AIE EYE CONTACT	tri- Co- D ME Rins rinsi Was mec Ren	EASURES se cautiously with wa ing. Seek medical att sh with soap and plea dical advice.	ater for several m tention if irritation nty of water. Wa air and keep co	ninutes. F n persists sh conta	Remove contact lenses if present and easy to do – continu			

MATION ON INGREDIENTS					
	ЭНТ				

EXTINGUISHING MEDIA	Use extinguishing media suitable for surrounding materials to extinguish fire.					
HAZARDOUS PRODUCTS OF COMBUSTION	OF					
FIRE FIGHTING PRECAUTIONS	The use of self-contained breathing apparatus (SCBA) and full protective clothing is recommended for fire- fighters for chemical fires. Dike and collect water used to fight fire for later treatment and disposal.					
6. ACCIDEN	TAL RELEASE MEASURES					
PERSONAL PRE- CAUTION	Observe personal protective equipment in Section 8. Keep unnecessary and unprotected personnel from en- tering.					
CONTAINMENT AND CLEANUP	Contain spill with dry earth or sand. Collect spillage and place material in a suitable container for disposal. See Section 13. Do not flush into local waterways, drains, or potable water source.					
ENVIRONMENTAL PRECAUTIONS	Large amounts of Boron can be harmful to plants and other species. It should only be used as part of an overall agricultural mineral program that is based on recommendations from soil and tissue analysis.					
7. HANDLIN	G AND STORAGE					
HANDLING	Wear personal protective equipment (PPE section 8). Do not taste or swallow. Avoid contact with skin. Avoid contact with eyes. Do not eat, drink or smoke when using. Wash thoroughly with soap and water after han- dling. Wash PPE after use with this product.					
STORAGE	Store in original packaging. Keep upright. Store out of direct sunlight in a well ventilated area. Do not over- heat. Do not store below freezing. Store away from incompatible materials (see section 10). Maintain air gap.					
	Keep away from children, feed and food products.					
8. EXPOSU	RE CONTROLS/ PERSONAL PROTECTION					
ENGINEERING	Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.					
CONTROLS	Practice good industrial hygiene and safety standards. Do not eat, drink or smoke in work areas. Use in ac- cordance with the agricultural worker protection standard, CFR Part 170. Do not apply this product in a way that will contaminate workers or other persons.					
EYE/FACE PROTECTION	Wear appropriate protective eyeglasses with side-shield or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.					
SKIN PROTECTION	Avoid skin contact by wearing chemical resistant gloves, long sleeves and long pants, coveralls, socks, and boots. Wear appropriate clothing to prevent skin exposure. The type of protective equipment used should be equivalent to the concentration of the hazardous material.					
	Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands.					
RESPIRATORY PROTECTION	Wear respiratory protection during operations where spraying or misting occurs. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.					

9. PHYSICAL	AND CHEM	ICAL PROP	ERTIES				
APPEARANCE			ODOR				
SPECIFIC GRAVITY (H	20=1) 1.162 Kg/	at 68° F	GALLON WEIGHT		9.7 lbs / gal		
рН	2.2-2.5		ODOR TI	HRESHOLD	Not Available		
FREEZING POINT	Not Availa	ble	EVAPORATION RATE		Not Available		
FLASHPOINT	Not Availa	ble	VAPOR PRESSURE		Not Available		
AUTO-INGNITION TEMP	Not Availa	ble	VAPOR DENSITY (AIR = 1)		Not Available		
BOILING POINT, 760 MM	/ HG 100°C (21	2°F)	SOLUBILITY		Not Available		
MELTING POINT	Not Availa	ble	% VOLATILE		Not Available		
FLAMMABILITY LIMITS	Not Availa	ble	OCTANOL/WATER PARTITION COEFFICIENT		Not Available		
Note: These physical dat	a are typical values of	of material tested and	I not intended to be a guaranteed analysis of specification of any specific lot.				
10. STABILITY	AND REA	CTIVITY					
INCOMAPTIBILE MATERIALS / STABILITY HAZARDOUS REACTIONS /	Stability: Stable under recommended transport and storage conditions. Incompatibility: None Materials to Avoid: Strong Acids, Metallic Salts, Potassium, Hydroxides. No hazardous reactions known to occur under normal use conditions. No hazardous decomposition prod- ucts are known to occur.						
DECOMPOSITION PRODUCTS							
AVOID	Unknown. See section 7 for storage information.						
11. TOXICOLO	OGICAL INF	ORMATION	N				
ACUTE TOXICITY VALUES	Acute Oral LD50 (Rat): No Data Available Acute Dermal LD50 (Rabbit): No Data Available Acute Inhalation LC50 (Rat): No Data Available						
ROUTES OF EXPOSURE	Skin and eye contact, inhalation, ingestion.						
SIGNS AND SYMPTOMS OF OVEREXPOSURE	Short term effects: No Data Available Long term			Long term effects: No	Data Available		
CHRONIC EFFECTS CARCINOGENICITY	Not considered a carcinogen by IARC, NTP, or OSHA.						
SPECIFIC TARGET ORGAN TOXICITY	Reproductive/de	velopmental toxicit	y: No Data A	wailable			
12. ECOLOGI	CAL INFOR	MATION					
ECOTOXICTY	No data available			MOBILITY IN SOIL	No data available		
				BIOACCUMULATIVE POTENTIAL	No data available		
PERSTISTANCE & DEGRADABILITY	No data available	9		1			