MATERIAL SAFETY DATA SHEET

NORDOX® 30/30 WG	Page 1 of 4	Issue Date: 5/07	
SECTION 1. P	SECTION 1. PRODUCT AND COMPANY IDENTIFICATION		
<u>Chemical Product</u> NORDOX® 30/30 WG	EPA Reg. No. 48142-7		
Common Name: Chemical Description: TSCA/CAS No.:			
Manufactured By NORDOX AS c/o Monterey AgResources P.O. Box 35000 Fresno, CA 93745-5000			
Emergency Phone Numbers Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 994-9144 CHEMTREC (24-Hour Emergency Number): (800) 424-9300 EPA National Response Center: (800) 424-8802			
SECTION 2. H	AZARDOUS INGREDIENTS		
CHEMICAL	CAS NO. %	TLV OR PEL RQ (lbs)	
Cuprous oxide*	1317-39-1 33.8	1 mg/m^3	

Cuprous oxide*	1317-39-1	33.8	1 mg/m ³	
		((dusts and mists, as Cu, 8 hr. TWA) OSHA / ACGIH)
Zinc oxide	1314-13-2	37.2	2 mg/m ³ / 10 mg/m ³ ACGIH TLV (TWA) / STEL 5 mg/m ³	
*Matallia as an an anticalant 200/			OSHA PEL	

*Metallic copper equivalent 30%

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Under certain conditions, cuprous oxide may react violently with strong reactants such as acids, bases, and metals such as, but not limited to, Al and Mg. Copper fumes will be released if cuprous oxide is heated above its melting point (2255°F). Not D.O.T. Regulated.

HEALTH: 1	REACTIVITY:	1 FLAMMAB	LITY: 0	ENVIRONMENT: 0
(0=In	significant 1=S	light 2=Moderate	3=High	4=Extreme)

SECTION 4.	FIRST AID
Eyes:	Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.
Skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.
Ingestion:	Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.
Inhalation:	Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth- to-mouth. Get medical attention.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point: Test Method: LEL Flammable Limits: UEL Flammable Limits: Autoignition Temperature: Flammability Classification: Known Hazardous Products of Combustion: Properties that Initiate/Contribute to Intensity of Fire: Potential For Dust Explosion: Reactions that Release Flammable Gases or Vapors Potential For Release of Flammable Vapors: Unusual Fire & Explosion Hazards: Extinguishing Media: Special Firefighting Procedures:	None.
SECTION 6. SPILLS AND LEAKS	

Containment: Prevent product spillage from entering drinking water supplies or streams. Clean Up: Wearing protective clothing, use a clean shovel and carefully place material into clean, dry container and cover; remove from area. Use according to label instructions or dispose of at an approved waste disposal facility. Flush spill area with water and collect liquid or absorb onto absorbent material and package for disposal.

Evacuation: Not necessary, but restrict entry.

SECTION 7.	STORAGE AND HANDLING
Storage:	Store original bags in a cool, well ventilated, dry place. Keep away from strong alkalies, acids and/or oxidizing agents. Do not reuse bag. Do not store near food or feeds.
Work/Hygienic Practices: Causes moderate eye irritation. Harmful if swallowed or absorbed skin. Avoid contact with eyes, skin and clothing. Do not contamin and foodstuffs. Users should: (1) Wash hands before eating, drint chewing gum, using tobacco or using the toilet; (2) Remove cloth immediately if pesticide gets inside. Then wash thoroughly and pu clothing; (3) Remove PPE immediately after handling this product outside of gloves before removing. As soon as possible, wash tho change into clean clothing.	
SECTION 8.	PERSONAL PROTECTIVE EQUIPMENT
Eyes:	Chemical dust/splash goggles, safety glasses or full-face shield may be worn to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Chemical-resistant gloves made of any waterproof material and impervious clothes if skin contact is probable and skin is sensitive.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	TWA TLV for metallic copper = 1 mg/m^3 . Provide appropriate ventilation and/or dust

respirators to control dust level to below TLV.

SECTION 9. PHYSICAL AND	CHEMICAL DATA
Appearance: Odor:	Yellowish-brown water dispersible granules. None.
pH:	8.0 – 9.0.
, Vapor Pressure:	Not applicable.
Vapor Density (Air=1):	Not applicable.
Boiling Point:	Not applicable
Freezing Point:	Not applicable.
Water Solubility:	Not applicable.
Density:	1.2 kg/l (+/- 0.1).
Evaporation Rate:	Not applicable.
Viscosity:	Not applicable.
% Volatile:	Not applicable.
Octanol/Water Partition Coefficient:	Not applicable.
Saturated Vapor Concentration:	Not applicable.
SECTION 10. STABILITY AND	REACTIVITY
Stability:	Stable.
Conditions To Avoid:	Under certain conditions cuprous oxide may react violently with strong reactants such as acids, bases, and metals such as, but not limited to, AI and Mg. Zinc oxide and magnesium can react explosively when heated. Take precautionary measures against static discharges. Avoid high humidity.
Incompatibility:	Not available.
Hazardous Decomposition Products:	Copper fumes will be released if cuprous oxide is heated above its melting point (2255°F).
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTS

Acute Effects:	
Eyes:	May cause irritation (redness and/or burning). Moderate irritant.
Skin:	May cause irritation (redness and/or itching). LD ₅₀ > 2000 mg/kg.
Ingestion:	May cause nausea, vomiting and diarrhea. $LD_{50} > 2500 \text{ mg/kg}$.
Inhalation:	May cause respiratory irritation and coughing. $LC_{50} > 5.03$ mg/l.
Subchronic Effects:	None known.
Chronic Effects:	None known.

SECTION 12. ECOLOG	ICAL INFORMATION
Algal/Lemna Growth Inhibition: Toxicity to Fish and Invertebrate	 Not known. S: Cuprous oxide migration into the aquatic environment is likely to be minimal; if it does enter the environment, it will not be in sufficient concentration to have a significant impact on aquatic systems.
Toxicity to Plants: Toxicity in Birds:	Not known. Copper compounds present little or no danger to avian organisms.

SECTION 13. DISPOSAL

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

SECTION 14.	TRANSPORTATION	
D.O.T. Proper Shi	pping Description:	Not D.O.T. Regulated.
Other Shipping Description:		Insecticides or Fungicides, Agricultural, Dry.
		(NMFC Item 102120, LTL Class 60)

SECTION 15. REGULATORY INFORMA	ATION
CERCLA:	Copper and its compounds are listed as priority pollutants by the EPA under the Clean Water Act and as such fall under CERCLA spill reporting requirements of 40 CFR 302 (RQ=5000 pounds for metallic copper).
SARA TITLE III, Section 313 Toxic Chemicals:	This product contains copper compounds and is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
PROPOSITION 65:	None.

SECTION 16. OTHER

While the information contained herein is based on data considered accurate and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act, it is provided for guidance only. Monterey AgResources does not guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations; in so doing, user assumes all risk in use of the material. The information contained herein is not to be taken as a warranty or representation for which Monterey AgResources assumes legal responsibility.