

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY INFORMATION

Trade Name (as labeled): Core Neu-Zinc 52
Common Name: Dry Fertilizer
Manufactured By: CoreAgri, LLC,
 Po Box 1027
 Arroyo Grande, CA 93421

Business Phone: (805) 201-9049

Emergency Phone: INFOTRAC – (800) 535-5053

Date of Preparation: February, 2007
 Updated December, 2010

SECTION 2. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Exposure Limits In Air	
		ACGIH TVL (ppm)	OSHA PEL (ppm)
Zinc Oxide (ZnO)	1314-13-2	10 (Dust)	10
NE = Not Established		NA = Not Available	

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Emergency Overview: Chalk to pale tan colored powder with mild sulfur odor. Reacts with acids. Sulfur trioxide fumes at temperatures above 740 !F. Not D.O.T. regulated.

Symptoms Of Over Exposure:

Eyes: May cause severe irritation with prolonged exposure.
Skin: Prolonged or repeated exposure may cause skin irritation.
Inhalation: May cause breathing difficulties with prolonged exposure.
Ingestion: May cause stomach cramps and / or nausea.

Hazardous Material Information Rating System:

(0 = least; 1 = slight; 2 = moderate; 3 = high; 4 = extreme)

Health (blue) 1
Flammability (red) 0
Reactivity (yellow) 1

SECTION 4. FIRST-AID MEASURES

<u>If Inhaled:</u>	Remove to fresh air. If breathing becomes difficult, contact a medical physician. Give artificial respiration if victim is not breathing and obtain immediate medical attention.
<u>If Ingested:</u>	Call physician or Poison Control Center immediately for most current information. Dilute with large amounts of water. Do not induce vomiting unless directed to do so by a medical professional. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. If vomiting occurs, keep head lower than hips to prevent introduction of fluid into the lungs.
<u>In Case Of Skin Contact:</u>	Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if skin becomes irritated.
<u>In Case Of Eye Contact:</u>	Flush immediately with water for at least 15 minutes, lifting the upper and lower eyelids occasionally. Call a physician if eye irritation persists.
Victims of chemical exposure and all rescuers must be taken for medical attention. Take a copy of label and MSDS to physician or health professional with victim.	

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point:	Not flammable.
Test Method:	Not flammable.
LEL Flammable Limits:	Not flammable.
UEL Flammable Limits:	Not flammable.
Autoignition Temperature:	Not flammable.
Extinguishing Media:	Water spray, Foam, Carbon Dioxide, Dry-Chemical.
Unusual Fire and Explosion Hazards:	Avoid high temperatures that may cause thermal decomposition or explosion, especially in confined or poorly ventilated spaces.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus (SCBA) and goggles. Avoid exposure to smoke or fumes. Contain any liquid runoff.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill And Leak Response: For small or incidental spills, the minimum personal protective equipment should be rubber gloves, rubber apron, and chemical goggles. Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. Gas masks with ammonia canister or SCBA gear may be required. For large spills, contain by diking with soil or other non-combustible absorbent material. Dilution with water will reduce the release of ammonia vapors. Keep material out of sewers, storm drains, and surface waters. Comply with all applicable government regulations on spill reporting, handling, and waste disposal.

SECTION 7. STORAGE AND HANDLING

<u>Storage Practices:</u>	Store in a cool and dry, well-ventilated area away from incompatible materials. Do not store near food or feed. Do not stack pallets more than 2 high. Transfer equipment (valves, pumps, etc.) should be constructed of stainless steel or chemical-resistant plastic.
<u>Handling Practices:</u>	Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Wash with soap and water after handling.
<u>Work/Hygiene Practices:</u>	Avoid getting chemicals ON YOU or IN YOU. Wash hands with soap and water after handling chemicals. Do not eat or drink around or while handling chemicals. Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<u>Ventilation/Engineering Controls:</u>	Use with adequate ventilation.
<u>Respiratory Protection:</u>	If work conditions generate vapors or mist, wear a NIOSH approved respirator appropriate for those emission levels. Appropriate respirator may be a full facepiece respirator, an SCBA in the pressure demand mode, or a supplied-air respirator.
<u>Eye Protection:</u>	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, contact lenses should not be worn when working with chemicals because they contribute to the severity of an eye injury.
<u>Hand Protection:</u>	Rubber gloves with gauntlets.
<u>Body Protection:</u>	Use body protection appropriate for task. Chemical-resistant coveralls and rubber aprons are generally acceptable.
<u>Other Protective Measures:</u>	An eyewash and safety shower should be nearby and ready for use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Chalk to pale tan colored odor	<u>Boiling Point:</u>	NA
<u>Odor:</u>	Mild sulfur odor	<u>Freezing Point:</u>	NA
<u>pH: (5% solution)</u>	6.05 to 7.0	<u>Crystallization Point:</u>	NA
<u>Water Solubility:</u>	Forms Suspension	<u>Vapor Pressure:</u>	NA.
<u>Density:</u>	52.0 lbs/ft ³ .	<u>Vapor Density (air = 1):</u>	NA.
<u>Specific Gravity (H₂O = 1):</u>	NA.		NA = Not Available.

SECTION 10. STABILITY AND REACTIVITY

<u>Stability:</u>	Stable.
<u>Conditions To Avoid:</u>	High temperatures, incompatible materials.
<u>Incompatibility:</u>	Strong Acids
<u>Hazardous Polymerization:</u>	Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity Data: Not Known

Not Available

Acute Effects:

Eyes: Moderate irritant. May cause redness and/or burning.

Skin: Moderate irritant, especially with prolonged exposure. May cause skin ulceration and/or burns.

Ingestion: May cause stomach cramps and/or nausea..

Inhalation: Moderate irritation of nose and throat. May cause dry coughing, wheezing, or chest tightness.

Chronic Effects: None Known.

SECTION 12. ECOLOGICAL INFORMATION

Environmental Stability: Zinc is stable in the environment. Its transport in the environment depends upon the exact compound, the pH, the soil type, and the salinity. All work practices should be aimed at eliminating environmental contamination.

Effect Of Material On Plants/Animals: Zinc has been shown to bioaccumulate, though the amount of zinc in biota is a small reservoir compared to that in soil, sediment, or water.

Effect Of Material On Aquatic Life: Not known

SECTION 13. DISPOSAL CONSIDERATIONS

Do not contaminate lakes, streams, ponds, estuaries, oceans, or other waters by discharge of waste effluents or equipment rinsate. Dispose of waste effluents according to federal, state, and local regulations. Chemical additions or other alterations of this product may invalidate any disposal information in this MSDS.

SECTION 14. TRANSPORTATION INFORMATION

This material is not regulated by US DOT for highway transportation. Other shipping information: Fertilizing Compounds (Manufactured), Dry, NMFC Item 68140 Sub 6, LTL Class 60

SECTION 15. REGULATORY INFORMATION

SARA Reporting Requirements: This material does not contain toxic chemicals subject to reporting

requirements of Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986.

California Proposition 65: WARNING. This product contains chemicals known to the State of California

to cause cancer and birth defects or other reproductive harm.

SECTION 16. OTHER INFORMATION

The information and recommendations herein are taken from data contained in independent, industry recognized references including NIOSH, OSHA, ANSI, and NFPA. This information is, as of date listed above, true and accurate to the best of OmniAgri Trade Group knowledge. It is intended for use by persons possessing technical knowledge and at their own discretion and risk. Since actual use is beyond our control, no guarantee, express or implied, and no liability is assumed by OmniAgri Trade Group in conjunction with the use of this information. Actual conditions of use and handling may require consideration of information other than, or in addition to, that which is provided herein.