



Safety Data Sheet Core 9% Zinc EDTA

SECTION 1: Identification

1.1 Product identifier

Product name Core 9% Zinc EDTA

1.2 Supplier's details

Name Core Agri Inc.
Address 400 South Central Ave
Humboldt TN 38343

Telephone 7317848558

1.3 Emergency phone number(s)

Chemtrec 816-542-0425 Customer Number CCN840118

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Sensitization, skin, Cat. 1B
- Acute toxicity, dermal, Cat. 3
- Acute toxicity, inhalation, Cat. 3
- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, oral, Cat. 4
- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 1B

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H302
H311

Harmful if swallowed
Toxic in contact with skin

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H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H331	Toxic if inhaled
H332	Harmful if inhaled

Precautionary statement(s)

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.
P330	Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Hazardous components

1. Ammonium Hydroxide

Concentration	30% (weight)
EC no.	215-647-6
CAS no.	1336-21-6
Index no.	007-001-01-2

- Flammable gases, Cat. 2
- Press. Gas
- Acute toxicity, Cat. 3
- Skin corrosion/irritation, Cat. 1B
- Hazardous to the aquatic environment, short-term (acute), Cat. 1

H221	Flammable gas
H314	Causes severe skin burns and eye damage
H331	Toxic if inhaled
H400	Very toxic to aquatic life

2. Zinc oxide

Concentration	Not specified
EC no.	215-222-5
CAS no.	1314-13-2
Index no.	030-013-00-7

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- Hazardous to the aquatic environment, short-term (acute), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic), Cat. 1

H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	Move to fresh air and seek medical attention if irritation develops or persists.
In case of skin contact	Remove contaminated clothing and wash skin with soap and water. Seek medical attention if irritation develops or persists
In case of eye contact	Flush eyes with clean water for 15 minutes. Seek medical attention immediately.
If swallowed	Give large amounts of water or milk, if conscious. Contact physician immediately.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water spray, Foam, Carbon Dioxide, Dry-Chemical.

5.2 Specific hazards arising from the chemical

Avoid high temperatures that may cause thermal decomposition or explosion, especially in confined or poorly ventilated spaces.

Zinc oxide: Zinc/zinc oxides

5.3 Special protective actions for fire-fighters

Wear positive pressure, self contained breathing apparatus (SCBA) and goggles. Avoid exposure to smoke of fumes. Contain any liquid runoff.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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: Handling and storage

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7.1 Precautions for safe handling

Store product in original package.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, dry facility away from oxidizing agent. Dispose of this container in an environmentally safe manner as recommended for your area. Do not contaminate water, food, or feed by storage or disposal.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Ammonia (CAS: 7664-41-7)

PEL (Inhalation): 50 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 35 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 25 ppm, (ST) 35 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 25 ppm, (ST) 35 ppm (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

2. Zinc oxide fume (CAS: 1314-13-2)

PEL (Inhalation): 5 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³, (ST) 10 mg/m³ (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 5 mg/m³, (ST) 10 mg/m³ (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

3. Zinc oxide (CAS: 1314-13-2)

PEL (Inhalation): See PNOR (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

4. Zinc oxide, Total dust (CAS: 1314-13-2)

PEL (Inhalation): 15 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m³ (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 5 mg/m³, (C) 15 mg/m³ (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

5. Zinc oxide, Respirable fraction (CAS: 1314-13-2)

PEL (Inhalation): 5 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³ (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 2 mg/m³, (ST) 10 mg/m³ (ACGIH)

OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Use adequate ventilation to keep airborne levels below recommended exposure limits.

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8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

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. An eyewash should be nearby and ready for use.

Skin protection

Rubber gloves with gauntlets. Use body protection appropriate for task. Chemical-resistant coveralls and rubber aprons are generally acceptable. A safety shower should be nearby and ready for use.

Body protection

Use body protection appropriate for task. Chemical-resistant coveralls and rubber aprons are generally acceptable. A safety shower should be nearby and ready for use.

Respiratory protection

If work conditions generate vapors or mist, wear a NIOSH approved respirator appropriate for these emission levels. Appropriate respirator may be a full facepiece respirator, an SCBA in the pressure demand mode, or a supplied-air respirator.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Clear Liquid
Odor	Slight ammonia odor
Odor threshold	Slight ammonia odor
pH	7.0 to 7.5
Melting point/freezing point	32F
Initial boiling point and boiling range	212F
Flash point	NA
Evaporation rate	NA
Flammability (solid, gas)	NA
Upper/lower flammability limits	NA
Vapor pressure	NA
Vapor density	NA
Relative density	11.0lbs/gal
Solubility(ies)	NA
Partition coefficient: n-octanol/water	NA
Auto-ignition temperature	NA
Decomposition temperature	NA
Viscosity	NA
Explosive properties	NA
Oxidizing properties	NA

SECTION 10: Stability and reactivity

10.1 Chemical stability

Stable under normal conditions and pressure.

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10.2 Conditions to avoid

Strong acids.

10.3 Incompatible materials

Avoid high heat.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

May cause sever gastrointestinal irritation, vomiting, stomach cramps, and diarrhea. May interfere with circulation and oxygen carrying capacity of blood with prolonged exposure.

Zinc oxide

LD50 Oral - Mouse - 7,950 mg/kg

// ----- From the Suggestion report (09/19/2019, 12:33 PM) ----- //
ATE (dermal) of mixture: 1000 mg/kg

// ----- From the Suggestion report (09/19/2019, 12:33 PM) ----- //
ATE (inhalation, gaseous) of mixture: 2333.33 ppm

// ----- From the Suggestion report (09/19/2019, 12:33 PM) ----- //
ATE (inhalation, dust/mist) of mixture: 1.67 mg/l

// ----- From the Suggestion report (09/19/2019, 12:33 PM) ----- //
ATE (oral) of mixture: 333.33 mg/kg

Skin corrosion/irritation

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

Serious eye damage/irritation

Moderate irritant. May cause redness, burning, inflammation, and/or damage

Respiratory or skin sensitization

May cause irritation to mucous membranes, coughing, or breathing difficulties. If exposed to decomposition gasses remove from area immediately.

Zinc oxide

LC50 Inhalation - Mouse - 2,500 mg/m³

SECTION 12: Ecological information

Toxicity

May be harmful to fish, livestock, and wildlife.

SECTION 13: Disposal considerations

Disposal of the product

Do not contaminate lakes, streams, ponds, estuaries, oceans, or other waters by discharge of waste effluents or equipment rinse. 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 SDS.

SECTION 14: Transport information

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DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right to Know Components

Chemical name: Ammonium Hydroxide

CAS number: 1336-21-6

Chemical name: Zinc oxide

CAS number: 1314-13-2

New Jersey Right to Know Components

Common name: AMMONIUM HYDROXIDE

CAS number: 1336-21-6

Common name: ZINC OXIDE

CAS number: 1314-13-2

Pennsylvania Right to Know Components

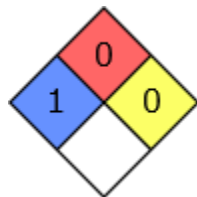
Chemical name: Ammonium Hydroxide

CAS number: 1336-21-6

Chemical name: Zinc oxide

CAS number: 1314-13-2

NFPA Rating



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 Core Agri Inc. 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 Core Agri Inc. 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.

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