



ZINC9% EDTA
POWERAG™

SAFETY DATA SHEET

According to Federal Register Vol. 77, No. 58
Monday, March 26, 2012
Rules and Regulations
Revision Date: March 12, 2024

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product form: Mixture
Product name: Zinc9% EDTA
Product code: BRG-030

1.2. Recommended use of the chemical and restrictions on use

Recommended use: Fertilizer

1.3. Details of the supplier of the safety data sheet

PowerAG
2213 Leabrook Road, Lancaster PA 17601
1-800-842-2578 powerag.com

1.4. Emergency telephone number

Emergency number: 1-800-424-9300 ChemTrec

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other uses of this product.

Appearance: Clear amber liquid

Physical state: Liquid

Odor: Mild odor

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixture

Chemical Name	CAS No	Weight-%
Zinc EDTA	14025-21-9	5-10

If Chemical Name/CAS No is proprietary and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice: Provide this SDS to medical personnel for treatment.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, seek medical attention.

Skin contact: Wash off immediately with plenty of water for at least 15 minutes. Wash contaminated clothing before reuse. If irritation persists, seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention if irritation persists.

Ingestion: Seek medical attention immediately. Rinse mouth. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into the lungs.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: Prolonged contact with skin may cause irritation. Direct contact with eyes may cause temporary irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment—water spray (fog), dry chemical, carbon dioxide (CO₂), and foam.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

5.2. Specific hazards arising from the chemical

Not determined.

Hazardous combustion products: Aldehydes. Alcohols. Ethers. Organic acids.

5.3. Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NOISH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Spilled material is slippery. Keep unnecessary and unprotected people away from area of spill. Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways, and/or groundwater. See Section 12, Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for clean-up: Absorb with inert material or sweep up, and then place in suitable container for chemical waste. For waste disposal, see Section 13 of the SDS.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, or smoke when using this product. Use personal protection recommended in Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep containers tightly closed in a dry, cool, and well-ventilated place. Protect from direct sunlight.

Packaging materials: Store in the following materials: Stainless steel, aluminum, Plaste 3066 lined container, 316 stainless steel, or opaque HDPE plastic container. Shelf life: Use within 12.0 months.

Incompatible materials: Strong acids, strong bases, and strong oxidizers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.2. Appropriate engineering controls

Engineering controls: Apply technical measures to comply with the occupational exposure limits.

8.3. Individual protection measures

Eye/face protection: Use safety glasses with side shields. Refer to 29 CFR 1910.133 for eye and face protection regulation.

Skin and body protection: Wear protective gloves and protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory protection: In case of inadequate ventilation wear respiratory protection. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state: Liquid.

Appearance: Clear amber liquid.

Color: Amber.

Odor: Mild odor.

Odor threshold: Not determined.

9.2. Properties, values, and remarks/method

Property	Values	Remarks • Method
pH	10–11	
Melting point / freezing point	-2 °C / -18.8 °F	
Boiling point / boiling range	Not determined.	

9.2. Properties, values, and remarks/method continued

Property	Values	Remarks • Method
Flash point	102 °C / -18.8 °F	
Evaporation rate	Not determined.	
Flammability (solid, gas)	Liquid—not applicable.	
Flammability limited in air		
Upper flammability or explosive limits	Not determined.	
Lower flammability or explosive limits	Not determined.	
Vapor pressure	Not determined.	
Vapor density	Not determined.	
Relative density	1.3	
Water solubility	Not determined.	
Solubility in other solvents	Not determined.	
Partition coefficient	Not determined.	
Autoignition temperature	Not determined.	
Decomposition temperature	Not determined.	
Kinematic viscosity	Not determined.	
Dynamic viscosity	Not determined.	
Explosive properties	Not determined.	
Oxidizing properties	Not determined.	
Other Information		
Liquid density	11.0 lbs/gal	

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable under recommended storage conditions

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Direct sunlight. Elevated temperatures. Ultraviolet radiation.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

Aldehydes. Alcohols. Ethers. Organic acids.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on likely routes of exposure

Product information

Eye contact: Avoid contact with eyes.

Skin contact: Avoid contact with skin.

Inhalation: Do not inhale.

Ingestion: Do not ingest.

11.2. Component information

Zinc EDTA 14025-21-9 | **Oral LD50** =1750 mg/kg (rat) | **Dermal LD50** – | **Inhalation LC50** –

11.3. Symptoms related to the physical, chemical, and toxicological characteristics

Symptoms: Please see section 4 of this SDS for symptoms.

11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity: Based on the information provided, this product does not contain any carcinogens or potential carcinogens listed by OSHA, IARC, or NTP.

11.4. Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document:

Oral LD50: 19,444.44 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1. Ecotoxicity

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2. Component information

Chemical name: Zinc EDTA 14025-21-9

Algae/aquatic plants: –

Fish: 685: 96h Lepomis macrochirusmg/L LC%) static

Crustacea: –

12.3. Persistence/degradability

Not determined.

12.4. Bioaccumulation

There is no data for this product.

12.5. Mobility

Not determined.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal of wastes: Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Contaminated packaging: Disposal should be in accordance with applicable regional, national, and local laws and regulations.

13.1. California hazardous waste status

Chemical name: Zinc EDTA 14025-21-9

California hazardous waste status: Toxic

SECTION 14: TRANSPORT INFORMATION

14.1. Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

14.2. DOT

Not regulated.

14.3. IATA

Not regulated.

14.3. IMDG

Not regulated.

SECTION 15: REGULATORY INFORMATION

15.1. International inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Zinc EDTA	x	Active	x	x	x	x			x

LEGEND:

TSCA: United States Toxic Substances Control Act Section 8(b) inventory

DSL/NDSL: Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS: European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS: Japan Existing and New Chemical Substances

IECSC: China Inventory of Existing Chemical Substances

KECL: Korean Existing and Evaluated Chemical Substances

PICCS: Philippines inventory of Chemicals and Chemical Substances

AICS: Australian Inventory of Chemical Substances

15.2. US Federal Regulations

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals, which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	CAS No	Weight-%	SARA 313—Threshold Values %
Zinc EDTA	14025-21-0	5–10	1.0

CWA Clean Water Act: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA—Reportable Quantities	CWA—Toxic Pollutants	CWA—Priority Pollutants	CWA—Hazardous Substances
Zinc EDTA	–	x	–	–

15.3. U.S. State Regulations

15.4. California Proposition 65

This product does not contain any Proposition 65 chemicals.

15.5. U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Zinc EDTA 14025-21-9	x	–	x

SECTION 16: OTHER INFORMATION

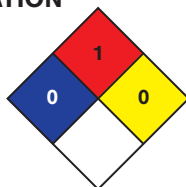
16.1. NFPA

Health hazards: 0

Flammability: 1

Instability: 0

Special hazards: Not determined.



16.2 HMIS III Rating

Health hazards: Not determined.

Flammability: Not determined.

Instability: Not determined.

Personal protection: Not determined.

Issue Date: 18-Dec-2019

Revision Date: 19-Dec-2019

Revision Note: New format.

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.