SAFETY DATA SHEET
Trade Name: Rebound Zinc™
Version: 1.3                 Version Date: December 6, 2018

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers
Product name : Rebound Zinc™
Other Names : Rebound Zinc™ nutrient solution
CAS-No. : NA

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses : For use in fertilizer applications.

1.3 Details of the supplier of the safety data sheet
Manufactured by: Advancing Eco Agriculture, LLC.
4551 Parks West Road
Middlefield, Ohio 44062
United States
Telephone : +1 440-632-1012
Email : info@advancingecoag.com

1.4 Emergency telephone number
Emergency Phone # : +1 440-723-2916

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
GHS Classification
Serious eye damage: Category 1
Acute Aquatic toxicity: Category 2
Chronic Aquatic toxicity: Category 1

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal word Danger

Hazard statement(s)
H319 Causes serious eye damage
H401 Toxic to aquatic life
H411 Toxic to aquatic life with long lasting effects

Precautionary statement(s)
P102 Keep out of reach of children
P202 Do not handle until all safety precautions have been read and understood
P261 Avoid breathing mist/spray
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear eye protection/face protection/skin protection.
P284 In case of inadequate ventilation, wear respiratory protection
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303 + P352 IF ON SKIN (or hair): 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.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.
P391 Collect spillage.
P501 Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous components

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric Acid</td>
<td>Eye Irrit. 2; H319</td>
<td>1-3%</td>
</tr>
<tr>
<td>CAS Number: 77-92-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc Sulfate</td>
<td>Ac. Tox. 4: H302; Eye Irrit. 1: H318; Ac. Aqua. Tox. 1: H400</td>
<td>9-11%</td>
</tr>
<tr>
<td>CAS Number: 7446-19-7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Approximate weight percent. Exact weight percent is withheld as a trade secret.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in Section 2.2 and/or in Section 11.

4.3 Indication of any immediate medical attention and special treatment needed
No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
No data available

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
Thermal decomposition of this product can release zinc oxides. Take proper respiratory protection precautions.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate non-essential personnel to safe areas. For personal protection see section 8.
6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into waterways must be avoided.

6.3 Methods and materials for containment and cleaning up
Soak up or vacuum without creating mists. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of mists/aerosols. Provide appropriate ventilation. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Contains zinc sulfate with an OSHA PEL of 15 mg/m³ (Total dust) and 5 mg/m³ (resp).

8.2 Exposure controls
Appropriate engineering controls
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection
Wear safety glasses with splash guards and/or a face shield when mixing. Use equipment for eye protection tested and approved under appropriate standards such as NIOSH (US) or EN 166(EU).

Skin protection
Wear standard work clothing (long pants and long-sleeved shirt) to protect from skin exposure. Non-reactive nitrile gloves must be worn. Use proper glove removal techniques to avoid skin exposure. Wash and dry hands after using the product. Wash any contaminated clothing prior to re-use.

Body Protection
Wear standard work clothing (long pants, long-sleeved shirt, leather or composite footwear covering entire foot).

Respiratory protection
In the case of mist or aerosol formation, use respirator with an approved filter. Use NIOSH-approved respiratory protection.

Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into waterways must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
a) Appearance
   Form: liquid
   Color: dark brown
b) Odor
   No data available
c) Odor Threshold
   No data available
e) pH
   1.72 at 25 °C (77 °F)
f) Melting/freezing point
   ~0°C (32°F)
g) Initial boiling point and boiling range  ~100°C (212°F)
h) Flash point No data available
i) Evaporation rate No data available
j) Flammability No data available
k) Upper/lower flammability or explosive limit No data available
l) Vapor pressure No data available
m) Vapor density No data available
n) Relative density 9.2 lbs. per gallon
o) Water solubility No data available
p) Partition coefficient n-octanol/water No data available
q) Auto-ignition temperature No data available
r) Decomposition temperature No data available
s) Viscosity No data available
t) Explosive properties No data available
u) Oxidizing properties No data available

9.2 Other safety information
   No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity
   No data available

10.2 Chemical stability
   Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
   No data available

10.4 Conditions to avoid
   Exposure to sunlight, freezing temperatures or heat sources

10.5 Incompatible materials
   Strong bases

10.6 Hazardous decomposition products
   Hazardous decomposition products formed under fire conditions – No data available
   Other decomposition products - No data available. In the event of fire: see section 5.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

   Acute toxicity
   Oral:  \( ATE_{mix} \geq 5000 \)
   Inhalation: No data available
   Dermal: No data available

   Skin corrosion/irritation
   The pH of this product may cause skin corrosion and/or irritation. No test data available.

   Serious eye damage/eye irritation
   May cause serious eye damage. No test data available.

   Respiratory or skin sensitization
   No data available

   Germ cell mutagenicity
   No data available

   Carcinogenicity
   IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
   ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a
carcinogen or potential carcinogen by ACGIH.

California Proposition 65: No component of this product is known to the State of California to cause cancer, birth defects or other reproductive harm

Reproductive toxicity
No data available.
Specific target organ toxicity - single exposure
No data available
Specific target organ toxicity - repeated exposure
No data available
Aspiration hazard
No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity
This product contains a material (zinc sulfate) at a concentration that requires categorization as Category 1 Acute Aquatic toxicity and as Category 1 Chronic Aquatic toxicity. While no testing was conducted, the summation method (GHS Purple Book, Seventh Edition, Chapter 4.1) indicates the expected EC50 for fish, crustacea and algae to be ≤1mg/L.

12.2 Persistence and degradability
No data available

12.3 Bio-accumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Other adverse effects
Results of PBT and vPvB assessment
No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

TDG (Canada)
UN number: 3082 Class: 9 Packing group: III Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc sulfate) Marine pollutant

DOT (US)

IATA
UN number: 3082 Class: 9 Packing group: III Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc sulfate)

IMDG
UN number: 3082 Class: 9 Packing group: III EMS-No: F-A, S-F Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc sulphate) Marine pollutant

15. REGULATORY INFORMATION
This product has been classified in accordance with OSHA Hazard Communication Standard (HCS) 2012 (US), EU CLP Regulation No. 1272/2008 and Hazardous Products Regulations (HPR) (Canada).
No components of this product are reportable under SARA Sections 302.

This product may contribute to your facility reporting requirements under SARA Sections 311, 312 and/or 313. See Section 3 for a list of possibly affected chemicals.

Components of this product are listed on the TSCA, Canadian DSL and REACH inventories.

16. OTHER INFORMATION

The information contained in this Safety Data Sheet (SDS) is correct to the best of our knowledge, understanding and belief at the date of publication. This SDS is not intended to be all inclusive or exhaustive and shall be used as guidance only. The information in this document is applicable only to the product with respect to appropriate safety precautions and may not be applicable to combinations with other products. It does not represent any guarantee of the properties of the product. Advancing Eco Agriculture, LLC and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.