

# SAFETY DATA SHEET

## NITRATE BALANCER

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2020/878 and US OSHA HCS 2015

### Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Code:** Z-NB  
**Product Name:** NITRATE BALANCER
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
**Relevant identified uses:** For agricultural use only
- 1.3 Details of the Supplier of the Safety Data Sheet:**
- |                          |  |   |
|--------------------------|--|---|
| <b>Company Name:</b>     | Stoller<br>9090 Katy Freeway<br>Suite 400<br>Houston, TX 77024 | <b>Phone Number:</b><br>1 (713)461-1493 |
|                          | United States of America                                       |   |
| <b>Web site address:</b> | www.stollerusa.com   |   |
| <b>Email address:</b>    | compliance@stollerusa.com                                      |   |
| <b>Information:</b>      |  | 1 (800)539-5283                         |
- 1.4 Emergency telephone number:**
- |                           |                                     |                  |
|---------------------------|-------------------------------------|------------------|
| <b>Emergency Contact:</b> | CHEMTREC, In the US and Canada call | 1 (800)424-9300  |
|                           | CHEMTREC, From other countries call | +1 (703)527-3887 |

### Section 2. Hazards Identification

**2.1 Classification of the Substance or Mixture:**

Toxic To Reproduction, Category 2  
Eye Irritation, Category 2

**2.2 Label Elements:**



**GHS Signal Word:** Warning

**Hazard-determining components of labelling:**

Boric acid

**GHS Hazard Phrases:**

H319 - Causes serious eye irritation.

H361 - Suspected of damaging fertility or the unborn child .

**GHS Precautionary Phrases:**

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**GHS Response Phrases:**

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313 - IF exposed or concerned: Get medical attention/advice.

P337+313 - If eye irritation persists, get medical advice/attention.

**GHS Storage and Disposal Phrases:**

P405 - Store locked up.

P501 - Dispose of contents/container to ...

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**UFI:**

**2.3 Adverse Human Health Hazards** not otherwise classified (HNOC) or not covered by GHS: None.

**Effects and Symptoms:**

- 2.3.1 Inhalation:** None.
- 2.3.2 Skin Contact:** May be harmful in contact with skin.
- 2.3.3 Eye Contact:** Causes eye irritation.
- 2.3.4 Ingestion:** Harmful if swallowed.

### Section 3. Composition/Information on Ingredients

CAS # / RTECS #	Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
10043-35-3 ED4550000	Boric acid 01-2119486683-25	<60.0 %	233-139-2 005-007-00-2	Toxic Repro. 1B: H360FD

### Section 4. First Aid Measures

**4.1 Description of First Aid** Consult a physician. Show this safety data sheet to the doctor in attendance.

**Measures:**

**In Case of Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**In Case of Skin Contact:** Wash off with soap and plenty of water. Consult a physician.

**Contact:**

**In Case of Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**In Case of Ingestion:** Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

**Note for the Doctor:** Treat symptomatically and supportively.

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

### Section 5. Fire Fighting Measures

**5.1 Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:** None known.

**5.2 Flammable Properties and Hazards:** Sodium oxides.

No data available.

**Flash Pt:** NA

**Explosive Limits:** LEL: N.A. UEL: N.A.

**Autoignition Pt:** No data.

**5.3 Fire Fighting Instructions:** Wear self contained breathing apparatus for fire fighting if necessary. Further information: No data available.

## Section 6. Accidental Release Measures

- 6.1 Protective Precautions, Protective Equipment and Emergency Procedures:** In case of a large spill, clear the affected area and protect people. Such releases should be responded to by trained personnel using pre-planned procedures. In the event of an incidental release, minimum Personal Protective Equipment must be worn: latex or rubber gloves and rubber boots, goggles or full face-shield and coveralls or long-sleeved shirt and pants.
- 6.2 Environmental Precautions:** Do not allow to enter drains or waterways.
- 6.3 Methods and Material For Containment and Cleaning Up:** It is necessary to contain the spill into the smallest area possible by diking, scooping, etc. and recover the product into an appropriate container, labeling it accordingly. If product is clean, use it as intended following original label directions; should it get contaminated, salvage for proper disposal as waste.  
Absorb residual product onto dry carrier such as dirt, sand or any other absorbent material, then collect in covered, labeled containers and dispose of as dry waste in accordance with Federal, State, and Local waste disposal regulations.

## Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Use with adequate ventilation. Avoid breathing (dust, vapor, mist, gas). Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Empty containers may contain residual liquid or vapors and therefore should be handled the same as full containers.
- 7.2 Precautions To Be Taken in Storing:** Inspect all incoming containers before storage to ensure all are properly labeled and not damaged. Keep containers tightly closed when not in use. Store in a cool, dry place, away from direct sunlight, sources of intense heat or where freezing is possible. Store away from food, feed, clothing materials and living quarters. Whenever possible, place chemicals on secondary containers or diked area. Store a maximum of three pails high; do not stack pallets. Store Keylate Micronutrients in fiberglass, polyethylene or polyolefin.

## Section 8. Exposure Controls/Personal Protection

- 8.1 Exposure Parameters:**
- 8.2 Exposure Controls:**
- 8.2.1 Engineering Controls (Ventilation etc.):** General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions.  
An eye bath and washing facilities should be readily available.
- 8.2.2 Personal protection equipment:**
- Eye Protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- Protective Gloves:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
- Other Protective Clothing:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
- Respiratory Equipment (Specify Type):** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. If the respirator is the sole means of protection, use a full-face supplied air

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respirator.

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove all dirty or contaminated clothing and wash it before reusing, as well as any other PPE.

**8.2.3 Environmental Exposure Controls:** Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high-water mark. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

**Exposure Scenarios:** No data available.

## Section 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

**Physical States:** [ ] Gas [X] Liquid [ ] Solid

**Appearance and Odor:** Clear, blue

No odor.

**pH:** 7.0 - 9.0

**Melting Point:** No data.

**Boiling Point:** No data.

**Flash Pt:** NA

**Evaporation Rate:** No data.

**Saturated Vapor Concentration:** No data.

**Flammability (solid, gas):** Product is non-flammable.

**Explosive Limits:** LEL: N.A. UEL: N.A.

**Vapor Pressure (vs. Air or mm Hg):** Not established

No data.

**Vapor Density (vs. Air = 1):** Not established

**Specific Gravity (Water = 1):** 1.27 - 1.31

**Density:** ~ 1.2943 G/ML (~ 10.8 - LB/GA)

**Solubility in Water:** Soluble

**Octanol/Water Partition Coefficient:** No data.

**Autoignition Pt:** No data.

**Decomposition Temperature:** No data.

**Viscosity:** No data.

**Explosive Properties:** No data available.

**Oxidizing Properties:** No data available.

### 9.2 Other Information

#### 9.2.1 Information with regard to physical hazard classes

**Information with regard to primary physical hazard:** This product is non-corrosive to metals as per testing results performed according to the ASTM G31-21 guidelines

#### 9.2.2 Other safety characteristics

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### Section 10. Stability and Reactivity

<b>10.1 Reactivity:</b>	No data available.
<b>10.2 Stability:</b>	Unstable [ ] Stable [ X ]
<b>10.3 Conditions To Avoid - Hazardous Reactions:</b>	No data available.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>10.4 Conditions To Avoid - Instability:</b>	No data available.
<b>10.5 Incompatibility - Materials To Avoid:</b>	Strong oxidizing agents.
<b>10.6 Hazardous Decomposition or Byproducts:</b>	No data available. In the event of fire: see section 5.

### Section 11. Toxicological Information

<b>11.1 Information on Toxicological Effects:</b>	Mutagenicity: This product has not been investigated for mutagenic effects. Embryotoxicity: This product has not been investigated for embryotoxic effects. Teratogenicity: This product has not been investigated for teratogenic effects. Reproductive Toxicity: This product has not been investigated for toxic reproductive effects. CAS# 10043-35-3: Acute toxicity, LD50, Oral, Rat, 2660. MG/KG. Result: Gastrointestinal:Hypermotility, diarrhea. Gastrointestinal:Nausea or vomiting. ; Journal of the American Medical Association, American Medical Association, 535 N. Dearborn St., Chicago, IL 60610, Vol/p/yr: 128,266, 1945
<b>Irritation or Corrosion:</b>	Mild eye irritation This Product does not cause permanant damage to the eye. Symptoms such as mild eye irritation and redness can persist for up to 24 hours.
<b>Symptoms related to Toxicological Characteristics:</b>	No skin irritation This product is not a skin irritant and it does not illicit any effects. No data available.
<b>Sensitization:</b>	The sensitizing properties of this product have not been thoroughly investigated.
<b>Chronic Toxicological Effects:</b>	The toxicological properties of this material have not been fully investigated.
<b>Carcinogenicity/Other Information:</b>	The carcinogenic properties of this product have not been thoroughly investigated. The components of this product are not listed as a carcinogenic by CPDB, IARC, NTP, OSHA, CAL/OSHA and ACGIH.
<b>Carcinogenicity:</b>	NTP? No IARC Monographs? No OSHA Regulated? No

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### Section 12. Ecological Information

- 12.1 Toxicity:** No environmental impact studies have been performed with this product. The available data on this plant nutrient material does not indicate any undue hazard to the environment under anticipated use and storage. All work practices must be aimed at eliminating environmental contamination. Any waste due to spillage or leakage should be contained and disposed of accordingly, see Section 6 "Accidental Release Measures." Due to its nutritional nature, may cause eutrophication if discharged in bodies of water.
- 12.2 Persistence and Degradability:** No data available.
- 12.3 Bioaccumulative Potential:** No data available.
- 12.4 Mobility in Soil:** No data available.
- 12.5 Results of PBT and vPvB assessment:** No data available.
- 12.6 Other adverse effects:** No data available.

### Section 13. Disposal Considerations

- 13.1 Waste Disposal Method:** This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local waste regulatory authority. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Dispose of empty container in a sanitary landfill or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Avoid contaminating water by disposal of equipment wash waters or other product wastes. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3.

### Section 14. Transport Information

#### 14.1 LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Not Regulated. Trade Name: NITRATE BALANCER

**DOT Hazard Class:**

**UN/NA Number:**

#### 14.1 LAND TRANSPORT (European ADR/RID):

**ADR/RID Shipping Name:** Not Regulated. Trade Name: NITRATE BALANCER

**UN Number:**

**Hazard Class:**

#### 14.2 MARINE TRANSPORT (IMDG/IMO):

**IMDG/IMO Shipping Name:** Not Regulated. Trade Name: NITRATE BALANCER

**UN Number:**

**Packing Group:**

**Hazard Class:**

**IMDG MFAG Number:** N/A

#### 14.3 AIR TRANSPORT (ICAO/IATA):

**ICAO/IATA Shipping Name:** Not Regulated. Trade Name: NITRATE BALANCER

**UN Number:**

**Packing Group:**

**Hazard Class:**

**Additional Transport Information:** Placards / Markings: N.A.

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Emergency Response Guide Number: N.A

Reportable Quantity: N.A.

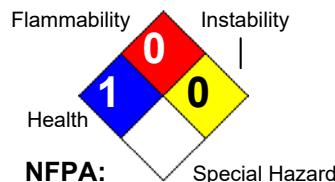
### Section 15. Regulatory Information

#### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
10043-35-3	Boric acid	No	No	No

**Regulatory Information:** TSCA Inventory: In compliance with inventory requirements for commercial purposes.

### Section 16. Other Information

**Revision Date:** 02/09/2023**Hazard Rating System:****Additional Information About** No data available.**This Product:****Company Policy or****Disclaimer:**

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