

# SAFETY DATA SHEET

## HARVEST MORE 5-10-27

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Revision: 06/09/2023  
Supersedes Revision: 12/06/2021

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-HM51027  
**Product Name:** HARVEST MORE 5-10-27
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- 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:**

**Acute Toxicity: Inhalation, Category 5**

**Acute Toxicity: Oral, Category 4**

**Acute Toxicity: Skin, Category 5**

**2.2 Label Elements:**



**GHS Signal Word:** **Warning**

**Hazard-determining components of labelling:**

Sulfuric acid, Zinc salt (1:1), monohydrate

**GHS Hazard Phrases:**

H302 - Harmful if swallowed.

H313 - May be harmful in contact with skin.

H333 - May be harmful if inhaled.

**GHS Precautionary Phrases:**

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

**GHS Response Phrases:**

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P330 - Rinse mouth.

**GHS Storage and Disposal Phrases:**

P501 - Dispose of contents/container to permitted waste facility.

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**UFI:**

**2.3 Adverse Human Health** Acute: May cause respiratory tract irritation. May cause skin irritation.

**Effects and Symptoms:**

**2.3.1 Inhalation:** May be harmful if inhaled, may cause irritation of upper respiratory tract. If symptoms are present, remove the person from the contaminated area, put in a place free of contaminants, provide fresh air.

**2.3.2 Skin Contact:** May cause skin irritation. Wash skin with water. Remove contaminated clothing.

**2.3.3 Eye Contact:** May cause eye irritation. Immediately wash eyes with plenty of water for at least 15 minutes. Lifting eyelids to thoroughly wash all the the eye and connective tissue. Get medical attention immediately.

**2.3.4 Ingestion:** May be harmful if swallowed. Never supply anything by mouth to an unconscious person, make the patient drink several glasses of water, induce vomitting. Get medical attention immediately.

### Section 3. Composition/Information on Ingredients

CAS # / RTECS #	Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
57-13-6 YR6250000	Urea 01-2119463277-33	<15.0 %	200-315-5 NA	No GHS classifications apply.
7447-40-7 TS8050000	Potassium chloride 01-2119539416-36	<30.0 %	231-211-8 NA	No GHS classifications apply.
7722-76-1 NA	Monoammonium phosphate 01-2119488166-29	<10.0 %	231-764-5 NA	No GHS classifications apply.
10043-52-4 EV9800000	Calcium Chloride 01-2119494219-28	< 5.0 %	233-140-8 017-013-00-2	Eye Damage 2: H319
7791-18-6 OM2975000	Magnesium chloride (hydrated)	< 2.0 %	NA NA	No GHS classifications apply.
10043-35-3 ED4550000	Boric acid 01-2119486683-25	< 0.15 %	233-139-2 005-007-00-2	Toxic Repro. 1B: H360FD
7446-19-7 ZH5300000	Sulfuric acid, Zinc salt (1:1), monohydrate 01-2119474684-27	< 0.5 %	616-096-8 030-006-00-9	Acute Tox.(O) 4: H302 Eye Damage 1: H318 Aquatic (A) 1: H400 Aquatic (C) 1: H410

### Section 4. First Aid Measures

**4.1 Description of First Aid**Victims of severe exposure to chemicals must be taken to health providing centers for medical attention. Always bring with victim a copy of label and SDS of product to health professional.

**In Case of Inhalation:** Seek medical attention if victim's breathing is difficult.

**In Case of Skin Contact:** Seek medical attention if irritation occurs.

**In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes. Seek medical attention should severe irritation occurs.

**In Case of Ingestion:** May cause irritation of the digestive tract with accompanying nausea, vomiting, and diarrhea.

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

### Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** CO2 or Dry Powder.  
**Media:**  
**Unsuitable:** Do not use direct water.  
**Extinguishing Media:**
- 5.2 Flammable Properties and Hazards:** N.A.  
**Hazardous Combustion:** Do not breathe smoke.  
**Products:**  
**Flash Pt:** No data.  
**Explosive Limits:** LEL: No data. UEL: No data.  
**Autoignition Pt:** No data.
- 5.3 Fire Fighting Instructions:** None specific for this product, however, it is suggested that firefighters wear self-contained breathing apparatus (SCBA) and full protective equipment, such as chemical resistant clothing.

### Section 6. Accidental Release Measures

- 6.1 Protective Precautions, Protective Equipment and Emergency Procedures:** In case of a large spill, clear and isolate the affected area and protect people. Such releases should be responded to by trained personnel using pre-planned procedures.  
**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, long-sleeved shirt and pants and NIOSH/OSHA approved dust respirator.
- 6.2 Environmental Precautions:** Keep product from entering drains or other waterways in large quantities.
- 6.3 Methods and Material For Containment and Cleaning Up:** It is necessary to contain the spill into the smallest area possible by sweeping, scooping, diking, etc. and recover the product into an appropriate container, labeling it accordingly for use as intended following original label directions.  
 If product is clean, use it as intended, following original label directions; should it get contaminated, salvage for proper disposal as waste.

### Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Avoid breathing dusts; use in a well ventilated location or wear an appropriate respirator.
- 7.2 Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place.  
**Other Precautions:** N.A.

### Section 8. Exposure Controls/Personal Protection

**8.1 Exposure Parameters:**

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
7447-40-7	Potassium chloride	ACGIH TLV	TLV: 10 mg/m <sup>3</sup>	
7722-76-1	Monoammonium phosphate	ACGIH TLV	TLV: 10 mg/m <sup>3</sup>	
10043-52-4	Calcium Chloride	ACGIH TLV	TLV: 10 mg/m <sup>3</sup>	
7791-18-6	Magnesium chloride (hydrated)	ACGIH TLV	TLV: 10 mg/m <sup>3</sup>	
10043-35-3	Boric acid	ACGIH TLV	TLV: 2 mg/m <sup>3</sup>	

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7446-19-7 Sulfuric acid, Zinc salt (1:1), monohydrate	ACGIH TLV	STEL: 6 mg/m <sup>3</sup> TLV: 10 mg/m <sup>3</sup> as Zn	
<p><b>Recommended Exposure Limits:</b> N.A.</p>			
<p><b>8.2 Exposure Controls:</b></p>			
<p><b>8.2.1 Engineering Controls (Ventilation etc.):</b> General ventilation is usually adequate. Local exhaust may be used depending on working conditions.</p>			
<p><b>8.2.2 Personal protection equipment:</b></p>			
<p><b>Eye Protection:</b> Safety glasses should be worn in any type of operation with chemicals.</p>			
<p><b>Protective Gloves:</b> Protective gloves, long sleeved shirt and long pants, as well as protective shoes should be worn as a good safety practice.</p>			
<p><b>Other Protective Clothing:</b> Long-sleeved shirt, long pants and protective shoes should be worn as a good safety practice.</p>			
<p><b>Respiratory Equipment (Specify Type):</b> Wear a NIOSH/OSHA approved respirator if working conditions require doing so.</p>			
<p><b>Work/Hygienic/Maintenance Practices:</b> Do not eat, smoke or chew tobacco or gum when handling chemicals.</p>			
<p><b>8.2.3 Environmental Exposure Controls:</b> N.A.</p>			
<p><b>Exposure Scenarios:</b> No data available.</p>			

### Section 9. Physical and Chemical Properties

<p><b>9.1 Information on Basic Physical and Chemical Properties</b></p>			
<b>Physical States:</b>	<input type="checkbox"/> Gas <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid		
<b>Appearance and Odor:</b>	Blue crystals or powder.		
<b>pH:</b>	1.62 - 10% Solution		
<b>Melting Point:</b>	No data.		
<b>Boiling Point:</b>	No data.		
<b>Flash Pt:</b>	No data.		
<b>Evaporation Rate:</b>	Not applicable		
<b>Saturated Vapor Concentration:</b>	Not determined		
<b>Flammability (solid, gas):</b>	Non-Flammable.		
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.	
<b>Vapor Pressure (vs. Air or mm Hg):</b>	Not applicable		
<b>Vapor Density (vs. Air = 1):</b>	Not applicable		
<b>Specific Gravity (Water = 1):</b>	Not determined		
<b>Density:</b>	Not determined		
<b>Solubility in Water:</b>	100%		
<b>Octanol/Water Partition Coefficient:</b>	No data.		
<b>Autoignition Pt:</b>	No data.		
<b>Decomposition Temperature:</b>	No data.		

<b>Viscosity:</b>	Not determined
<b>9.2 Other Information</b>	
<b>9.2.1 Information with regard to physical hazard classes</b>	
<b>Information with regard to primary physical hazard:</b>	
<b>9.2.2 Other safety characteristics</b>	

**Section 10. Stability and Reactivity**

<b>10.1 Reactivity:</b>	No data available.
<b>10.2 Stability:</b>	Unstable [ <input type="checkbox"/> ]    Stable [ <input checked="" type="checkbox"/> ]
<b>10.3 Conditions To Avoid -</b>	No data available.
<b>Hazardous Reactions:</b>	
<b>Possibility of Hazardous Reactions:</b>	Will occur [ <input type="checkbox"/> ]    Will not occur [ <input checked="" type="checkbox"/> ]
<b>10.4 Conditions To Avoid -</b>	Stable under normal conditions.
<b>Instability:</b>	
<b>10.5 Incompatibility -</b>	No data available.
<b>Materials To Avoid:</b>	
<b>10.6 Hazardous Decomposition or Byproducts:</b>	No data available.

**Section 11. Toxicological Information**

<b>11.1 Information on Toxicological Effects:</b>	<p>N.A.</p> <p>CAS# 10043-52-4: Acute toxicity, LD50, Oral, Rat, 1.000 GM/KG. Result: Effects on Fertility: Abortion. ; Canadian Journal of Comparative Medicine and Veterinary Science., Vol/p/yr: 12,216, 1948</p> <p>Acute toxicity, LD50, Intraperitoneal, Rat, 264.0 MG/KG. Result: Effects on Fertility: Abortion. ; Oyo Yakuri. Pharmacometrics., Oyo Yakuri Kenkyukai, CPO Box 180, Sendai 980-91 Japan, Vol/p/yr: 14,963, 1977</p> <p>Acute toxicity, LDLO, Subcutaneous, Dog, 274.0 MG/KG. Result: Blood:Change in clotting factors. Blood:Changes in serum composition (e.g. Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels: Catalases. ; Abdernalden's Handbuch der Biologischen Arbeitsmethoden." (Leipzig, Ger. Dem. Rep.) Volume(issue)/page/year:, Vol/p/yr: 4,1316, 1935</p> <p>Tumorigenic Effects:, TDLo, Oral, Rat, 112.0 GM/KG, 20 W. Result: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Endocrine:Thyroid tumors. ; American Journal of Cancer., For publisher information, see CNREA8, New York, NY, Vol/p/yr: 23,550, 1935</p> <p>CAS# 7791-18-6: Acute toxicity, LD50, Oral, Rat, 8100. MG/KG. Result: Effects on Fertility: Abortion. ; American Industrial Hygiene Association Journal., AIHA, 475 Wolf Ledges Pkwy., Akron, OH 44311, Vol/p/yr: 30,470, 1969</p> <p>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</p> <p><b>Irritation or Corrosion:</b> N.A.</p> <p style="padding-left: 40px;"><b>Symptoms related to Toxicological</b> N.A.</p>
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**Characteristics:****Chronic Toxicological** N.A.**Effects:****Carcinogenicity:** NTP? N.A. IARC Monographs? N.A. OSHA Regulated? N.A.

### Section 12. Ecological Information

- 12.1 Toxicity:** The available data on this material does not indicate any undue hazard to the environment under anticipated use and storage. All work practices must be aimed at preventing environmental contamination. Any waste due to spillage or leakage should be contained and disposed of accordingly, see above under Section 6 "Accidental Release Measures."
- 12.2 Persistence and Degradability:** N.A.
- 12.3 Bioaccumulative Potential:** N.A.
- 12.4 Mobility in Soil:** N.A.
- 12.5 Results of PBT and vPvB assessment:** N.A.
- 12.6 Other adverse effects:** N.A.

### Section 13. Disposal Considerations

- 13.1 Waste Disposal Method:** Waste disposal must be done following all Federal, State and Local regulations. 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.

### Section 14. Transport Information

- 14.1 LAND TRANSPORT (US DOT):**  
**DOT Proper Shipping Name:** Not Regulated. Trade Name: HARVEST MORE 5-10-27  
**DOT Hazard Class:**  
**UN/NA Number:**
- 14.1 LAND TRANSPORT (Canadian TDG):**  
**TDG Shipping Name:** Not Regulated. Trade Name: HARVEST MORE 5-10-27
- 14.1 LAND TRANSPORT (European ADR/RID):**  
**ADR/RID Shipping Name:** Not Regulated. Trade Name: HARVEST MORE 5-10-27  
**UN Number:**  
**Hazard Class:**
- 14.2 MARINE TRANSPORT (IMDG/IMO):**  
**IMDG/IMO Shipping Name:** Not Regulated. Trade Name: HARVEST MORE 5-10-27  
**UN Number:** **Packing Group:**  
**Hazard Class:**
- 14.3 AIR TRANSPORT (ICAO/IATA):**  
**ICAO/IATA Shipping Name:** Not Regulated. Trade Name: HARVEST MORE 5-10-27  
**UN Number:** **Packing Group:**  
**Hazard Class:**

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### 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)
57-13-6	Urea	No	No	No
7447-40-7	Potassium chloride	No	No	No
7722-76-1	Monoammonium phosphate	No	No	No
10043-52-4	Calcium Chloride	No	No	No
7791-18-6	Magnesium chloride (hydrated)	No	No	No
10043-35-3	Boric acid	No	No	No
7446-19-7	Sulfuric acid, Zinc salt (1:1), monohydrate	No	No	Yes-Cat. N982

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

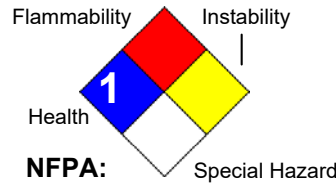
### Section 16. Other Information

**Revision Date:** 06/09/2023

**Hazard Rating System:**

HEALTH		1
FLAMMABILITY		
REACTIVITY		
PPE		

**HMIS:**



**Additional Information About** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**

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