

SAFETY DATA SHEET

HARVEST PLUS TC

1. Product and Company Identification

Product Code: Z-HPLUSTC
Product Name: HARVEST PLUS TC
Company Name: Stoller
9090 Katy Freeway
Suite 400
Houston, TX 77024
Phone Number: 1 (713)461-1493
Web site address: www.stollerusa.com
Email address: compliance@stollerusa.com
Emergency Contact: CHEMTREC, In the US and Canada call 1 (800)424-9300
CHEMTREC, From other countries call +1 (703)527-3887
Information: 1 (800)539-5283
Intended Use: The document is issued to be used for product registration purposes only in Ukraine.

2. Hazards Identification

Acute Toxicity: Inhalation, Category 5
Acute Toxicity: Skin, Category 5
Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 3
Aquatic Toxicity (Acute), Category 3
Aquatic Toxicity (Chronic), Category 4



GHS Signal Word: **Warning**
GHS Hazard Phrases: H302 - Harmful if swallowed.
H313 - May be harmful in contact with skin.
H316 - Causes mild skin irritation.
H333 - May be harmful if inhaled.
H402 - Harmful to aquatic life.
H413 - May cause long lasting harmful effects to aquatic life.
GHS Precautionary Phrases: P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
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.
P332+313 - If skin irritation occurs, get medical advice/attention.
GHS Storage and Disposal Phrases: P501 - Dispose of contents/container to permitted waste facility.

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Inhalation:	May be harmful if inhaled.
Skin Contact:	Harmful in contact with skin.
Eye Contact:	Eye irritation. Flush with water for 15 minutes. Seek medical attention if irritation persists.
Ingestion:	Harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Components (Chemical Name)	Concentration	RTECS #
2222021-18-1	Magnesium EAHP	< 5.0 %	NA
2222021-21-6	Zinc EAHP	<15.0 %	NA
2222021-23-8	Manganese EAHP	<30.0 %	NA
2222021-26-1	Copper EAHP	< 1.0 %	NA
10102-40-6	Sodiummolybdate	< 5.0 %	QA5085000
94095-04-2	Boric acid (H3BO3), reaction products with ethanolamine	< 5.0 %	NA

4. First Aid Measures

Emergency and First Aid Procedures:	Seek medical aid.
In Case of Inhalation:	Move patient to fresh air. Seek medical attention if victim's breathing is difficult.
In Case of Skin Contact:	Take off contaminated clothing and rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In Case of Eye Contact:	Rinse thoroughly with running water for 15 minutes. Seek medical attention.
In Case of Ingestion:	Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if irritation, discomfort, or vomiting persists.
Signs and Symptoms of Exposure:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Note to Physician:	Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt:	N.A.
Explosive Limits:	LEL: N.A. UEL: N.A.
Autoignition Pt:	N.A.
Suitable Extinguishing Media:	Use agent most appropriate to extinguish fire.
Fire Fighting Instructions:	Wear protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Flammable Properties and Hazards:	Not flammable or combustible.
Hazardous Combustion Products:	Not combustible.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: In case of a large spill, protect people by clearing and isolating the affected area. Such releases should be responded to by trained personnel using pre-planned procedures.

Environmental Precautions: Do not allow to enter drains or waterways.

Steps To Be Taken In Case Material Is Released Or Spilled: 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.

7. Handling and Storage

Precautions To Be Taken in Handling: Avoid contact with eyes, skin, or clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Precautions To Be Taken in Storing: Inspect all incoming containers before storage to ensure all are properly labeled and not damaged. Keep container closed when not in use. Whenever possible, place chemicals on secondary containers or diked area. Do not contaminate water, food or feed by storage or disposal. Empty containers may contain residual liquid or vapors and therefore should be handled the same as full containers.

Other Precautions: Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
2222021-18-1	Magnesium EAHP	No data.	No data.	No data.
2222021-21-6	Zinc EAHP	No data.	No data.	No data.
2222021-23-8	Manganese EAHP	No data.	No data.	No data.
2222021-26-1	Copper EAHP	No data.	No data.	No data.
10102-40-6	Sodiummolybdate	PEL: 5 mg/m ³ as Mo	TLV: 5 mg/m ³ as Mo	No data.
94095-04-2	Boric acid (H3BO3), reaction products with ethanolamine	No data.	No data.	No data.

Recommended Exposure Limits: No occupational exposure limits have been established for this mixture.

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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.
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:	No data available.
Engineering Controls (Ventilation etc.):	General ventilation is usually adequate. Local exhaust may be used depending on working conditions.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. 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.
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 when disposing of equipment wash water.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Clear dark green color.
pH:	9.0 - 11.0
Freezing Point:	N.E.
Boiling Point:	N.A.
Flash Pt:	N.A.
Evaporation Rate:	N.E.
Flammability (solid, gas):	Not flammable or combustible.
Explosive Limits:	LEL: N.A. UEL: N.A.
Vapor Pressure (vs. Air or mm Hg):	N.E.
Vapor Density (vs. Air = 1):	N.E.
Specific Gravity (Water = 1):	1.16 - 1.20
Density:	~ 9.8 LB/GA
Solubility in Water:	Miscible in water
Saturated Vapor Concentration:	N.E.

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Octanol/Water Partition Coefficient:	N.E.
Percent Volatile:	N.A.
Autoignition Pt:	N.A.
Decomposition Temperature:	N.E.
Viscosity:	No data.

10. Stability and Reactivity

Reactivity:	None known.
Stability:	Unstable [<input type="checkbox"/>] Stable [<input checked="" type="checkbox"/>]
Conditions To Avoid - Instability:	None known.
Incompatibility - Materials To Avoid:	None known.
Hazardous Decomposition or Byproducts:	None known.
Possibility of Hazardous Reactions:	Will occur [<input type="checkbox"/>] Will not occur [<input checked="" type="checkbox"/>]
Conditions To Avoid - Hazardous Reactions:	None known.

11. Toxicological Information

Toxicological Information:	This product has not been investigated for teratogenic effects. This product has not been investigated for embryotoxic effects. This product has not been investigated for mutagenic effects. This product has not been investigated for toxic reproductive effects.
Irritation or Corrosion:	No data available.
Symptoms related to Toxicological Characteristics:	No data available.
Sensitization:	The sensitizing properties of this product have not been thoroughly investigated.
Chronic Toxicological Effects:	No data available.
Carcinogenicity:	NTP? Unknown IARC Monographs? Unknown OSHA Regulated? Unknown

12. Ecological Information

General Ecological Information:	All work practices must be aimed at eliminating environmental contamination. Due to its nutritional nature, may cause eutrophication if discharged in bodies of water. To aid our customers in complying with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section 15. If the word "YES" is marked next to any category, this product may be reportable by you under the requirements of 40 CFR Part 370. Please consult those regulations for details.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
Other adverse effects:	No environmental impact studies have been performed with this product.

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Revision: 08/05/2021
Supersedes Revision: 07/30/2020

13. Disposal Considerations

Waste Disposal Method: Waste disposal must be done following all Federal, State and Local regulations. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Do not allow great volumes to leak into the sewer system, underground water, water bodies, or onto the soil. Discharge into the environment must be avoided.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated. Trade Name: HARVEST PLUS TC

DOT Hazard Class:

UN/NA Number:



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name:

UN Number:

Hazard Class:

TDG Classification:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated. Trade Name: HARVEST PLUS TC

UN Number:

Hazard Class:

Packing Group:

IMDG MFAG Number:

IMDG EMS Page:

Marine Pollutant:

Yes

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated. Trade Name: HARVEST PLUS TC

UN Number:

Hazard Class:

Packing Group:

15. Regulatory Information

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

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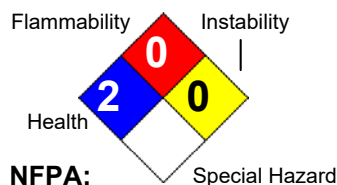
Revision: 08/05/2021
Supersedes Revision: 07/30/2020

16. Other Information

Revision Date: 08/05/2021

Previous revision: 07/30/2020

Hazard Rating System:

**Additional Information About** No data available.**This Product:****Company Policy or****Disclaimer:**

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