

Golden Harvest Plus GA 5-18-2

Material Safety Data Sheet (rev.02/09/10)

SECTION I
PRODUCT IDENTIFICATION

NFPA HAZARD RATINGS	
HEALTH HAZARD 2	FIRE HAZARD 0
REACTIVITY 0	
Based on the National Fire Protection Association rating system (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = High; 4 = Severe)	
SARA/ TITLE III HAZARD CATEGORIES	
Immediate (ACUTE) Health: Yes	Reactive Hazard: No
Delayed (Chronic) Health: Yes	Fire Hazard: No
Sudden Release of Pressure: No	
Company Name:	STOLLER USA, INC.
Address:	4001 W. Sam Houston Parkway, N., Suite 100 Houston, Texas 77043-1226 U.S.A.
Emergency Phone Number:	CHEMTREC: In the U.S. and Canada call Toll- free: 1 (800) 424-9300 From other countries call collect: 1 (703) 527-3887
Phone Number for Information:	1 (800) 539-5283 or 1 (713) 461-1493
Chemical Family:	Inorganic acid- salt solutions.
Chemical Name & Synonyms:	N/ A, mixture
Formula:	Proprietary
Trade name & Synonyms:	GOLDEN HARVEST PLUS GA 5-18-2; GOLDEN HARVEST PLUS GA

SECTION II
COMPOSITION/ INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS#	Approx. %	TLV
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SECTION III
HAZARD IDENTIFICATION

- A. EXPOSURE LIMITS:**
1. OSHA Permissible Exposure Limit (PEL): NOT ESTABLISHED
 2. Threshold Limit Value (TLV): 1 mg/ m3 Vapor/8 hrs for Phosphoric Acid
1 mg/ m3 as Zinc Chloride
- B. CARCINOGEN OR POTENTIAL CARCINOGEN:**
1. NPT: N/ A
 2. IARC: N/ A
 3. OSHA: N/ A
- C. EFFECTS OF OVEREXPOSURE:**
1. **ACUTE:**
EYES: N/ A
SKIN: N/ A
INHALATION: N/ A
INGESTION: N/ A
- D. ADDITIONAL INFORMATION:** N/ A

SECTION IV
FIRST-AID MEASURES

- A. EMERGENCY FIRST AID PROCEDURES:**
- EYES:** IMMEDIATELY flush with a directed stream of water for at least 15 minutes forcibly holding eyelids apart to ensure complete irritation of all eye and lid tissue.
- SKIN:** Wash with soap and water. Wash clothing before reuse. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.
- INHALATION:** If symptoms develop, move persons out of contaminated area to fresh air.
- INGESTION:** NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Have patient drink several glasses of water, then induce vomiting by having patient tickle back of throat with finger. Keep airways clear. GET MEDICAL ATTENTION IMMEDIATELY.
- B. ANIMAL TOXICITY DATA:** Zinc Chloride LD50 (oral/ rat) 350 mg/ Kg
Phosphoric Acid LD50 (oral/ rat) 1.53 mg/ Kg
- C. ADDITIONAL INFORMATION:** N/ A

SECTION V**FIRE AND EXPLOSION DATA**

FLASH POINT:	N/ A		
FLAMMABLE LIMITS:	N/ A	LEL: NOT ESTABLISHED	UEL: NOT ESTABLISHED
EXTINGUISHER MEDIA:	Any means suitable to fight surrounding fire (water, CO ₂ , or dry chemicals).		
SPECIAL FIRE FIGHTING PROCEDURES:	Wear self- contained breathing apparatus.		
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Toxic fumes may be generated at elevated temperatures.		

SECTION VI**ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED: Collect and contain for salvage or disposal. Absorb waste on inert media and dispose of as solid waste.

SECTION VII**HANDLING AND STORAGE**

Keep containers closed and dry. Wash hands thoroughly after using. Normal warehouse storage for containers is satisfactory. For bulk storage, use tanks made of HDPE or stainless steel. Avoid aluminum, copper or brass in tanks, lines, or pumps. Product will freeze below 32°F.

SECTION VIII**SPECIAL PROTECTION / CONTROL MEASURES**

RESPIRATORY PROTECTION: As required by conditions. Use and OSHA or NIOSH approved respirator if required.
VENTILATION: General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions.
LOCAL EXHAUST: N/ A
SPECIAL VENTILATION: N/ A
PROTECTIVE GLOVES: N/ A
WORK/ HYGIENIC PRACTICES: N/ A

SECTION IX**PHYSICAL AND CHEMICAL CHARACTERISTICS**

BOILING POINT:	242°F (116°C)	VAPOR PRESSURE (mm/ Hg):	Similar to H ₂ O
MELTING POINT:	N/ A	VAPOR DENSITY (air = 1):	Similar to H ₂ O
SPECIFIC GRAVITY:	1.46	REACTIVITY IN WATER:	N/ A
SOLUBILITY IN WATER:	Soluble	EVAPORATION RATE:	
APPEARANCE AND ODOR:	Green or brownish	clear liquid, slight proprietary odor.	
PERCENT VOLATILE BY VOLUME:		Proprietary	

SECTION X**PHYSICAL HAZARDS (REACTIVITY DATA)**

STABILITY:	Stable: Yes	Unstable:
CONDITIONS TO AVOID:	N/ A	
INCOMPATIBILITY, MATERIALS TO AVOID:	Oxidizers.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of sulfur and nitrogen.	
HAZARDOUS POLYMERIZATION:	None	
MAY OCCUR:		
WILL NOT OCCUR: X		

SECTION XI**TOXICOLOGICAL INFORMATION**

- A. **TOXICITY DATA:**
- B. **CARCINOGENICITY:**
- C. **MUTAGENICITY:**
- D. **REPRODUCTIVE TOXICITY:**

SECTION XII**ENVIRONMENTAL EFFECTS DATA**

This product has not been tested for environmental effects. If discharged into the marine environment it may be toxic to fish or other marine organisms, and due to its nutrient value may contribute to eutrophication in bodies of water. The available data on the raw materials does not indicate any undue hazard to the environment under anticipated conditions of storage and use.

SECTION XIII**DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHODS: Dispose of in compliance with all federal, state and local laws concerning health and environment.

SECTION XIV**TRANSPORTATION DATA**

PLACARD: CORROSIVE

USDOT Proper Shipping Name: CORROSIVE LIQUID, N.O.S.
(Contains Phosphoric Acid and Zinc Chloride)
8, UN1760, III

IATA Proper Shipping Name: UN1760, CORROSIVE LIQUID, N.O.S.
(Contains Phosphoric Acid and Zinc Chloride)
8, III

IMO Proper Shipping Name: UN1760, CORROSIVE LIQUID, N.O.S.
(Contains Phosphoric Acid and Zinc Chloride)
CLASS 8, PG III

DOT Hazardous Material: N/ A