



STOLLER ENTERPRISES, INC.

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GOLDEN HARVEST PLUS GA 5-18-2

MATERIAL SAFETY DATA SHEET (rev. 08/03)

SECTION I. PRODUCT IDENTIFICATION

NFPA HAZARD RATINGS

HEALTH HAZARD 2 FIRE HAZARD 0 REACTIVITY 0
Based on the National Paint & Coatings Association HMIS rating system

SARA/TITLE III HAZARD CATEGORIES (See Section X)

Immediate (ACUTE) Health: YES Reactive Hazard: NO
Delayed (Chronic) Health: YES Sudden Release of Pressure: NO
Fire Hazard: NO

Contains Phosphoric Acid, CAS# 7664-38-2, approx 30% mass %
Zinc Chloride, CAS#7646-85-7, approx 3% mass %

Company Name: STOLLER ENTERPRISES, INC.

Address: 4001 W. Sam Houston Pkwy. N., Suite 100
Houston, Texas 77043-1226 U.S.A.

Emergency Phone Number: CHEMTREC 1-800-424-9300

Phone Number for Information: 713-461-1493

Chemical Family: Salt Solution

Chemical Name & Synonyms: N/A, mixture.

Formula: Proprietary

Trade name & Synonyms: GOLDEN HARVEST PLUS GA 5-18-2

SECTION II. HAZARDOUS INGREDIENTS

A. COMPONENTS:	CAS. Reg. No.	Approx. %	TLV
Phosphoric Acid	7664-38-2	30	1.0 mg/m ³ Vapor/8 hrs
Zinc Chloride	7646-85-7	3	1.0 mg/m ³ as Zinc Chloride

SECTION III. PHYSICAL DATA

APPEARANCE AND ODOR: Green or brown clear liquid, slight proprietary odor.

BOILING POINT: 212°F

VAPOR PRESSURE: Similar to H₂O

VAPOR DENSITY (air = 1): Similar to H₂O

SPECIFIC GRAVITY: 1.46

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE (Ethyl Ether = 1): <water

PERCENT VOLATILE BY VOLUME: Proprietary

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A

FLAMMABLE LIMITS: N/A

LEL: not established.

UEL: not established

EXTINGUISHING AGENT: Any means suitable to fight surrounding fire (water, CO₂, 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 V. PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable

INCOMPATIBILITY, MATERIALS TO AVOID:

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of sulfur, nitrogen, phosphorus.

HAZARDOUS POLYMERIZATION: None

SECTION VI. HEALTH HAZARDS**A. EXPOSURE LIMITS**

OSHA Permissible Exposure Limit (PEL): NOT ESTABLISHED

Threshold Limit Value (TLV): 1 mg/m³ Vapor/8 hrs for Phosphoric Acid
1 mg/m³ as Zinc Chloride

B. CARCINOGEN OR POTENTIAL CARCINOGEN

- NTP: NO
- IARC: NO
- OSHA: NO

C. 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 irrigation of all eye and lid tissue. GET MEDICAL ATTENTION.

SKIN: Wash thoroughly 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.

D. ANIMAL TOXICITY DATA

LD₅₀: Zinc Chloride LD₅₀ (oral/rat) 350 mg/Kg
Phosphoric Acid LD₅₀ (oral/rat) 1.53 mg/Kg

SECTION VII - 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.

SKIN AND EYE PROTECTION: Safety glasses should be worn in any type of operation. Protective gloves should be worn when handling chemicals as good working practices dictate.

OTHER CONTROL MEASURES: An eye bath and washing facilities should be available. Wash thoroughly after handling. Do not smoke when handling chemicals.

SECTION VIII. SPECIAL STORAGE AND HANDLING PRECAUTIONS

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 IX. SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES

HANDLING AND STORAGE: Keep containers closed and dry. Wash hands thoroughly after using.

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.

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

SECTION IX ENVIRONMENTAL EFFECTS DATA

SUMMARY: 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 X TRANSPORTATION DATA**DOT HAZARD CLASS:**

Proper Shipping Name: CORROSIVE LIQUID, N.O.S.
(CONTAINS PHOSPHORIC ACID AND ZINC CHLORIDE)
8, UN 1760, PG III

PLACARD: CORROSIVE

Stoller Enterprises, Inc., believes the information contained in this material safety data sheet is accurate based on the information supplied by reputable suppliers of our raw materials. The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.