
GOLDEN HARVEST PLUS 5-18-2

MATERIAL SAFETY DATA SHEET (10/16/96)

SECTION I PRODUCT IDENTIFICATION

NFPA HAZARD RATINGS

HEALTH HAZARD: NONE FIRE HAZARD non-combustible REACTIVITY NONE

SARA/TITLE III HAZARD CATEGORIES (See Section IX)

Immediate (ACUTE) Health: none

Reactive Hazard: none

Delayed (Chronic) Health: none

Sudden Release of Pressure: not applicable

Fire Hazard: none

Company Name: STOLLER ENTERPRISES, INC.

Address: 4001 W. Sam Houston Pkway E., Suite 100, Houston Texas, 77043

Emergency Phone Number: CANUTEC 613-996-6666

Phone Number for Information: 713-461-1493

Chemical Family: Organic Salt Solution

Chemical Name & Synonyms: N/A Mixture

Formula: See SECTION II COMPOSITION/INGREDIENTS INFORMATION

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

SECTION II COMPOSITION/INGREDIENTS INFORMATION

| INGREDIENTS: | CAS # | Approx. % | TLV |
|---------------------|--------------|------------------|----------------------------|
| Phosphoric acid | 7664-38-2 | 30 | 1.0 mg/m3 Vapour/8 hrs |
| Zinc Chloride | 7646-85-7 | 3 | 1.0 mg/m3 as Zinc Chloride |

SECTION III PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: 212° F**VAPOR PRESSURE:** Similar to water**MELTING POINT:** N/A**VAPOR DENSITY (air = 1):** Similar to water**SPECIFIC GRAVITY:** 1.46**REACTIVITY IN WATER:** N/A**SOLUBILITY IN WATER:** yes soluble**EVAPORATION RATE :** < water**APPEARANCE AND ODOR:** thick dark brown liquid, sweet odor,**OTHER:**

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT: N/A

FLAMMABLE LIMITS: N/A **LEL:** not established **UEL:** not established

EXTINGUISHER MEDIA: Water, CO₂, or Dry Chemicals

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus

UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic fumed may be generated at elevated temperatures

SECTION V PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable

CONDITIONS TO AVOID:

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): 1.0 mg/m³ Vapour/8 hrs for Phosphoric acid
1.0 mg/m³ for Zinc Chloride

B CARCINOGEN OR POTENTIAL CARCINOGEN

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

C EMERGENCY FIRST AID PROCEDURES:

EYES: Flush with water 15 minutes forcibly holding eyelids apart to ensure complete irrigation of all and lid tissue. GET MEDICAL ATTENTION

SKIN: Wash with soap and water. Wash clothing before reuse.
IF IRRITATION OCCURS GET MEDICAL ATTENTION

INHALATION: If symptoms develop, get person out of contaminated area to fresh air

INGESTION: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

several glasses of water then induce vomiting by having patient tickle finger. Keep airways clear.

Have patient drink back of throat with

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 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: Landfill in compliance with all federal, provincial and local laws concerning health and environment.

SECTION VIII - SPECIAL PROTECTION / CONTROL MEASURES

RESPIRATORY PROTECTION: As require by conditions. Use OSHA or NIOSH approved respirator if required.

VENTILATION: General ventilation is usally adequate.

LOCAL EXHAUST: Provide local exhaust ventilation for safe comfortable working conditions..

SPECIAL VENTILATION: not applicable

PROTECTIVE GLOVES: Wear protective gloves as good hygiene dictates.

EYE PROTECTION: Use safety glasses.

OTHER SPECIAL CLOTHING/EQUIPMENT: Eye wash bath and washing facilities should available.

WORK/HYGIENIC PRACTICES: Do not smoke when handling chemicals.

SECTION IX 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 eutophication in bodies of water. The available data on the raw materials does not indicate an undue hazard to the environment under anticipated conditins of Storage and use except as noted below:

SECTION X TRANSPORTATION DATA

PROPER SHIPPING NAME: GOLDEN HARVEST PLUS
CORROSIVE LIQUID, N.O.S. (Phosphoric acid and Zinc Chloride)

DOT HAZARD CLASS: 8, UN1760, PG III

PLACARD: YES