



## SAFETY DATA SHEET (SDS) ID: SYCON 1-0-5

### SECTION 1: Product and Company IDs

**Product name:** SYCON 1-0-5  
**Product use / type:** Fertilizer mixture  
**Restrictions on use:** See product label  
**SDS ID:** SYCON 1-0-5  
**Chemical name / active ingredients:**  
Derived from Potassium Nitrate, Manganese Oxide and Zinc Oxide  
**Manufacturer / Registrant Info:**  
HELM Agro US, Inc. 401 E. Jackson St.  
Suite 1600, Tampa, FL 33602  
(813)-621-8846, [info@helmagro.com](mailto:info@helmagro.com)  
**Chemical Emergency Number:** 1-800-424-9300 (Chemtrec)

### SECTION 2: Hazard Communication

According to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

**Signal Word:** Warning  
**Pictogram(s):**



#### Hazard Statements:

- Harmful if swallowed.
- May cause an allergic skin reaction.
- Inhalation of sprays or mists may be harmful.

#### Precautionary Statements:

- Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
- Avoid breathing mist, vapors and spray.
- In case of inadequate ventilation wear respiratory protection.
- Do not eat, drink or smoke when using this product.
- Wear eye or face protection. Wear protective gloves.
- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **IF ON SKIN:** Gently wash with plenty of soap and water
- If spilled on skin or splashed in eyes, rinse affected area for at least 15 minutes. Store locked up. Store in a cool well-ventilated place. Keep container tightly closed. Use in well-ventilated area.
- Dispose of content and container in accordance with local and national regulations.
- Avoid breathing splash, sprays, or mists generated from this material. Store in tightly closed container. Wash thoroughly after handling this product.

#### Other Information / Potential Hazards:

- This product is not identified as a PBT/vPvB substance.
- Wear gloves and goggles. Do not get in eyes, on skin, or on clothing.

### SECTION 3: Ingredient Composition

Chemical Name	CAS #	% Composition (exact values withheld as trade secrecy)
EDTA & SALTS THEREOF	60-00-04	>0**
LEVULINIC ACID	123-76-2	>0**
Other ingredients	Proprietary	>0**

\*\*N/R as trade secrecy

### SECTION 4: First Aid Measures

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Wash out mouth with water. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothes:** Remove contaminated clothing and shoes. Rinse skin with plenty of water for 15 minutes. If irritation develops, call a poison control center, or seek medical advice.

**If in eyes:** Hold eye open and rinse gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If any issue persists, consult professional medical attention.

**First Aid Note:** Have this safety data sheet, the product container or label with you when calling a poison control center or doctor or going for treatment.

**Note to Physician:** Treat symptomatically.

### SECTION 5: Fire Fighting Measures

**Flammable properties:** In combustion emits toxic fumes. **Extinguishing media:** None listed. **Unsuitable extinguishing media:** High pressure water streams.

**Firefighting measures:** Evacuate area. Move container from fire area if it can be done without risk. Use extinguishing media appropriate for surrounding fire. Do not allow contaminated firefighting water and spillage to enter sewers, drains and waterways. **Protective equipment and precautions for firefighters:**

Wear full protective firefighting gear including self-contained breathing apparatus pressure demand (MSHA/NIOSH approved or equivalent). Prevent contact with skin and eyes. **Hazardous decomposition products:** Not listed.

### SECTION 6: Accidental Release Measures

**Personal precautions:** Wear protective gloves / clothing and eye protection.

Avoid contact with eyes, skin and clothing. Ensure adequate ventilation. See section 8 for personal protective equipment. **Environmental precautions:**

Collect spillage. Keep out of waterways, sewers, drains and confined areas.

**Methods for containment:** Isolate the spill area. Contain spill with inert material (e.g., sand, silica gel, universal binder). **Methods for cleanup:** Soak up with inert absorbent material. Sweep and shovel into properly labeled containers for disposal.

### SECTION 7: Handling and Storage

**Precautions for safe handling:** Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid breathing vapors or mists. Remove contaminated clothing and clean before use. **Precautions for safe storage:** Store and handle in accordance with all current regulations and standards. Store in a tightly closed container. Store in a cool, dry place. Store in a well-ventilated area. Keep away from incompatible materials. Refer product label. **Incompatible storage situations:** Separate during storage to prevent cross-contamination of other products, fertilizers, food, water, and feed. Protect from extreme freezing temperatures.

### SECTION 8: Exposure Control / Protection

**DNEL / PNEC:** No data available.

**Workplace exposure limits:** No data available.

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

### SECTION 9: Physical & Chemical Properties

**State:** Liquid  
**Color:** Yellow  
**Odour:** Characteristic odour  
**Viscosity:** Non-viscous  
**Boiling point/range°C:** 100  
**Flash point°C:** >93 pH: 4  
**Relative density:** 1.09-1.16  
**Other Info:** N/A

### SECTION 10: Stability & Reactivity

**Chemical stability:** Stable under normal conditions.

**Conditions to avoid:** Heat.

**Materials to avoid:** Strong oxidizing agents. Strong acids.

**Haz. decomp. products:** In combustion emits toxic fumes.



#### SECTION 11: Toxicological Information

**Component toxicology: EDTA & SALTS THEREOF:** Oral Rat LD50 >2000 mg/kg. **LEVULINIC ACID:** Oral RBT LD50 1850 mg/kg. **Dermal RBT** LD50 >5000 mg/kg. **Relevant hazards for product:** Serious eye damage/irritation likely to occur (Route OPT). **Skin contact:** There may be irritation and redness at the site of contact. **Eye contact:** There may be pain and redness. The eyes may water profusely. **Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach. **Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. **Carcinogenicity:** None listed. **Mutagenic effects:** No information available.

#### SECTION 12: Ecological Information

**Environmental Hazards:** 96H LC50 >100 mg/l.  
**Persistence/degradability:** Biodegradable.  
**Bioaccumulative potential:** No bioaccumulation potential.  
**Mobility:** Readily absorbed into soil.  
**PBT identification:** This product is not identified as a PBT/vPvB substance.  
**Other adverse effects:** Negligible ecotoxicity.

#### SECTION 13: Disposal Information

**Product disposal:** Wastes resulting from the use of this product that cannot be used or chemically reprocessed must be disposed of in a landfill approved for appropriate disposal or in accordance with applicable Federal, State or local procedures. Do not allow product to enter or run off into storm drains, drainage ditches, gutters or surface waters. **Container disposal:** Emptied container retains vapor and product residue. Observe all labeled safeguards until container is destroyed.

#### SECTION 14: Transport Information

Not regulated for DOT transportation. This product does not require a classification for transport.

#### SECTION 15: Regulatory Information

As applicable per U.S. States under Commercial Fertilizer License, and/or Permit, and/or Registration, and/or attendant product Listing, Certification, Registration, or otherwise approval, or sold as under self-declared product compliance.

#### SECTION 16: Other Information

**Creation Date:** December 15<sup>th</sup>, 2024. **Revision no.** (initial)  
**Reason for Revisions:** N/A

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