

SCYON® – Safety Data Sheet (SDS)

Section 1: Product and Company Identification

**PRODUCT IDENTITY:** 1-0-5, Derived from Potassium Nitrate, Manganese Oxide and Zinc Oxide

**PRODUCT ID #:** UBS007

**CAS#:** Mixture

**COMMON NAME:** Scyon

**CHEMICAL DESCRIPTION:** Inorganic N-P-K fertilizer solution

**Product Use/Restrictions:** See product label for recommendations, uses, rates, and warranty.

**Manufactured For:**

HELM Agro US, Inc.

401 E. Jackson St., Suite 1400

Tampa, FL 33602

Phone: 813.621.8846

info@helmagro.com

**Emergency contact:** CHEMTREC 1-800-424-9300 (24 hours)

**Non-emergency contact:** HELM Agro US, Inc. 813.621.8846

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Section 2: Hazards Identification



**Signal Word:** **Warning**

**Hazard pictograms**: GHS07: Exclamation mark

**Hazard Statements** (H-Phrases): H319, Causes serious eye irritation.

**Precautionary Statements** (P-Phrases): P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.

**PBT:** This product is not identified as a PBT/vPvB substance.

Section 3: Composition/Information on Ingredients

**EDTA & SALTS THEREOF:**

* CAS 60-00-04
* **Hazard Statements** (H-Phrases): H319, Causes serious eye irritation.

**LEVULINIC ACID:**

* CAS 123-76-2
* **Hazard Statements** (H-Phrases): H319, Causes serious eye irritation. H315, Cause skin irritation.

Section 4: First-aid Measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Not applicable.

Section 5: Fire-fighting Measures

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Spray water to cool containers.

**Exposure hazards:** In combustion emits toxic fumes.

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing. Prevent contact with skin and eyes.

Section 6: Accidental Release Measures

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal.

Section 7: Handling and storage

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

**Storage conditions:** Store in cool, well-ventilated area. Keep container tightly closed. **Refer label for storage precaution.**

Section 8: Exposure controls/Personal 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 and chemical properties

**State:** Liquid

**Color:** Yellow

**Odour:** Characteristic odour

**Viscosity:** Non-viscous

**Boiling point/range°C:** 100

**Flash point°C: >93 pH:** 4

**Other Info:** N/A

Section 10: Stability and 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

**EDTA & SALTS THEREOF:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ORL | RAT | LD50 | >2000 | mg/kg |

**LEVULINIC ACID:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DERMAL | RBT | LD50 | Over 5000 | mg/kg |
| ORAL | RBT | LD50 | 1850 | mg/kg |

**Relevant hazards for product:**

|  |  |  |
| --- | --- | --- |
| Hazard | Route | Basis |
| Serious eye damage/irritation | OPT | Hazardous: calculated |

**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.

Section 12: Ecological information

**Hazardous ingredients:** EDTA & SALTS THEREOF

|  |  |  |  |
| --- | --- | --- | --- |
| - | 96H LC50 | >100 | mg/l |

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialized

**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 considerations

Follow local, and/or State, and/or Federal ordinances or laws regarding disposal requirements.

Section 14: Transportation information

**Transport class:** 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

WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY: The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED “AS IS” BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYEROR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COSTOF THE PRODUCT.

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