



SAFETY DATA SHEET (SDS) ID: aCalsa®

SECTION 1: Product and Company IDs

Product name: aCalsa® (alternatively known as aCalsa SC 0-15*-0, aCalsa SC, or aCalsa CA*)

Product use / type: Fertilizer mixture

Restrictions on use: See product label

SDS ID: aCalsa® SC&CA*

Chemical name / active ingredients:

Derived from Phosphorous Acid and Calcium Carbonate (aCalsa SC 0-15*-0), Derived from Calcium Phosphite (aCalsa SC 0-0-0), Derived from Calcium Carbonate (aCalsa Ca+)

Manufacturer / Registrant Info:

HELM Agro US, Inc. 401 E. Jackson St.
Suite 1600, Tampa, FL 33602

(813)-621-8846, 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: Danger

Pictogram(s):



Acute Toxicity (eye):

Category 1

Hazard Statements:

- Causes serious eye damage
- Causes skin irritation

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 skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.
- Store locked up. Store in a cool well-ventilated place. Keep container tightly closed.
- Dispose of content and container in accordance with local and national regulations.

Other Information / Potential Hazards:

- Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. Further refer Section 8.
- This substance/mixture contains no components considered to be either persistent, bio-accumulative and toxic (PBT), or very persistent and very bio-accumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Ingredient Composition

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
proprietary acid, claim of trade secrecy	claim of trade secrecy	Same as mixture; Eye Dam. 1; H318	>= 3 - < 10
Polyethyleneglycol tridecyl ether phosphate	9046-01-9	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 3 - < 10
potassium hydroxide	1310-58-3 215-181-3 019-002-00-8	Met. Corr. 1; H290 Acute Tox. 4; H302 Skin Corr. 1A; H314 Eye Dam. 1; H318	>= 1 - < 2
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00-6	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 M-Factor (Acute aquatic toxicity): 10	>= 0.0025 - < 0.025
Substances with a workplace exposure limit :			
glycerol	56-81-5 200-289-5		>= 1 - < 10
propane-1,2-diol	57-55-6 200-338-0		>= 1 - < 10

Referring above, exact percentages are trade secrets.

SECTION 4: First Aid Measures

If swallowed: Wash out mouth with water. Do not induce vomiting. If conscious, give half a liter of water to drink immediately. There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. Immediate effects can be expected after short-term exposure. Call a poison control center or doctor immediately for treatment advice.

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: Not listed; No hazardous combustion products are known. **Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. **Suitable:** Foam, dry powder, water spray jet, carbon dioxide. Spray water to cool containers. **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: Refer to Section 8 of the SDS. If outside do not approach from downwind and keep bystanders away from danger point. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Turn leaking containers leak-side up to prevent escape of liquid. High risk of slipping due to leakage/spillage of product. Use personal protective equipment.

Environmental precautions: Collect spillage. Keep out of waterways, sewers,



drains and confined areas. Do not discharge or allow into drains or rivers. Contain the spillage using bunding to prevent spread over a wide area. Inform responsible local, state, or federal authorities. **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. See Sections 7, 8 and 13.

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. **Suitable packaging:** Must only be kept in original packaging.

SECTION 8: Exposure Control / Protection

DNEL / PNEC: No data available. **Workplace exposure limits:** Contains < 3 % Glycerol (CAS: 56-81-5). Glycerine mist has an exposure limit of 15 mg/m³ (total dust), 5 mg/m³ (respirable) as PEL TWA. Contains propane-1,2-diol; whereas sources may range, TWA of 50 mg/m³ (vapor and particulates) is recommended to protect for eye and nose irritation in exposed workers. Contains potassium hydroxide; whereas sources may range, TWA of 2 mg/m³ has been documented for potassium hydroxide. **Other information:**

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
1,2-benzisothiazol-3(2H)-one	Marine sediment	4.99 µg/kg dry weight
	Soil	3 mg/kg dry weight (d.w.)

Engineering measures: Ensure there is sufficient ventilation of the area. Maintain air below PEL TWAs. **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. **Thermal hazards:** Not identified.

SECTION 9: Physical & Chemical Properties

State: Liquid
Color: No data available
Odour: No data available
Relative density: 1.28-1.33 g/cm³ (20 °C); Method: OECD Test Guideline 109
Boiling point/range°C: No data available
Flash point°C: No data available
Other Info: N/A

SECTION 10: Stability & Reactivity

Reactivity: Not reactive under normal conditions.
Chemical stability: Stable under normal conditions. No decomposition if stored and applied as directed.
Conditions to avoid: None known. No dangerous reaction known under conditions of normal use.
Materials to avoid: None known.
Haz. decomp. products: None known when used as directed. In the event of a fire, refer Section 5 of SDS.

SECTION 11: Toxicological Information

Acute Toxicity: Not classified based on available information.
Acute Oral Toxicity: Acute toxicity estimate: > 2,000 mg/kg. Calculation method.
Eye damage/irritation: H318, Causes serious eye damage.
Skin corrosion/irritation: H315: Causes skin irritation
Skin Sensitization: Not classified based on available information.
Respiratory Sensitization: Not classified based on available information.
STOT (single exposure): Not classified based on available information.
STOT (repeated): Not classified based on available information.
Germ cell mutagenicity: Not classified based on available information.

Carcinogenicity: Not classified based on available information.
Reproductive/lactation toxicity: Not classified based on available information.
Aspiration hazard: Not classified based on available information.

SECTION 12: Ecological Information

General remarks: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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. A chemical safety assessment has not been carried out for the substances in this mixture.

SECTION 16: Other Information

Revision Date: September 11th, 2023. **Revision no. 2**
Reason for Revision: SDS review and truncate. Update Section 2 with category, other. Added/updated language to Sections 5-7, 13. Removed "non-mandatory" reference from Sections 12-15. Address change.

Disclaimer: Use this information only as a supplement to other information; make independent determinations as to the suitability and completeness of this information. No guarantee expressed or implied is made by HELM Agro US, INC. or its affiliates as to the results to be obtained based upon use of the information provided herein, or to any liability arising out of the use of this information. SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

HELM Agro US, INC. Claims Rights of UpLink Tradename and Logo. All Rights Reserved.