



aCalsa SC[®] – Safety Data Sheet (SDS)

Section 1: Product and Company Identification

FOR PRODUCT IDENTITY: 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+)

GENERAL PRODUCT ID: aCalsa

CAS#: Suspension mixture

COMMON NAME: aCalsa SC 0-15*-0, aCalsa SC 0-0-0, aCalsa Ca+

CHEMICAL DESCRIPTION: Fertilizer solution

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


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

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Section 2: Hazards Identification

Signal Word: **Danger** 

Hazard pictograms: Corrosive Symbol

Hazard Statements (H-Phrases): H315: Causes skin irritation. H318, Causes serious eye damage.

Precautionary Statements (P-Phrases): P302 + P352, IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 + P310, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if pre-sent and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P332 + P313, If skin irritation occurs: Get medical advice/ attention.
P362 + P364, Take off contaminated clothing and wash it before reuse.

Other as identified: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. Further refer Section 8.

PBT: 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: Composition/Information on Ingredients

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

Skin contact:	Remove all contaminated clothes and footwear immediately unless stuck to the skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. There may be irritation and redness at the site of contact. Consult a doctor.
Eye contact:	Remove contact lenses, if present and easy to do so. Bathe the eye with running water for 15 minutes. There may be irritation and redness. The eyes may water profusely. Consult a doctor.
Ingestion:	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. Consult a doctor.
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so. Ensure supply of fresh air. There may be irritation of the throat with a feeling of tightness in the chest. Consult a doctor or emergency assistance.

Section 5: Fire-fighting Measures

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: Full water jet.
Exposure hazards:	Special hazards arising from the substance or mixture: No hazardous combustion products are known.
Advice for fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin or eyes. Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations.

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
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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: 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.

Clean-up procedures: Absorb into non-combustible absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth). Transfer to a closable, labelled salvage container for disposal in accordance with local or state regulations.

Further reference: See sections 7 and 8 of SDS.

Section 7: Handling and storage

Handling requirements: The normal safety precautions for handling chemicals must be observed. Avoid direct contact with the substance. Use only in well ventilated areas. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wear proper safety attire when handling (cover skin, eyes, and clothing). Wash hands before eating, drinking, or smoking.

Storage conditions: Store in cool, dry, well-ventilated area. Keep container tightly closed. Do not store together with animal feed/diet. Protect from frost. The floor of the storage area must be impermeable to prevent the escape of liquids. **Refer label for storage precaution.**

Suitable packaging: Must only be kept in original packaging.

Section 8: Exposure controls/Personal 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: Use self-contained breathing apparatus in the event of aerosol or mist formation.

Hand protection: Protective chemical resistant gloves. Always ensure gloves are inspected for integrity.

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

Skin protection: Protective clothing. Ensure skin is well covered and protected from direct contact.

Thermal hazards: Not identified.

Section 9: Physical and 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 and 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.

Other information Section is non-mandatory per OSHA hazard communication 1910.1200 App D, "Sections 12-15 may be included in the SDS, but are not mandatory."

Section 13: Disposal considerations

Follow local, and/or state, and/or federal ordinances or laws regarding disposal requirements. Transfer to a suitable container and dispose as industrial waste at an appropriate facility or site.

Other information Section is non-mandatory per OSHA hazard communication 1910.1200 App D, "Sections 12-15 may be included in the SDS, but are not mandatory."

Section 14: Transportation information

Transport class: Not classified as "dangerous goods". This product does not require a classification for transport.

Other information Section is non-mandatory per OSHA hazard communication 1910.1200 App D, "Sections 12-15 may be included in the SDS, but are not mandatory."

Section 15: Regulatory information

Subject to product clearance under product registration as a fertilizer or sold under State fertilizer license; 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. Other information Section is non-mandatory per OSHA hazard communication 1910.1200 App D, "Sections 12-15 may be included in the SDS, but are not mandatory."

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 BUYER OR 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 COST OF THE PRODUCT. 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.

