SAFETY DATA SHEET
CORTEVA AGRISCIENCE AUSTRALIA PTY LTD

Product name: Aqua-Cal **Issue Date:** 13.10.2025

Corteva Agriscience™ encourages you and expects you to read and understand the entire SDS as there is important information throughout the document. This SDS provides users with information relating to the protection of human health and safety at the workplace, protection of the environment and supports emergency response. Product users and applicators should primarily refer to the product label attached to or accompanying the product container. This Safety Data Sheet adheres to the standards and regulatory requirements of Australia and may not meet the regulatory requirements in other countries.

SECTION 1: IDENTIFICATION

Product name: Aqua-Cal

Recommended use of the chemical and restrictions on use
Identified uses: Agriculture nutrition.

COMPANY IDENTIFICATION
CORTEVA AGRISCIENCE AUSTRALIA PTY LTD
LEVEL 9, 67 ALBERT AVENUE
CHATSWOOD NSW 2067
AUSTRALIA

Customer Information Number: 1800-700-096
aucustomerservice@corteva.com

EMERGENCY TELEPHONE NUMBER
Local Emergency Contact: 1800-370-754

For advice, contact a doctor (at once) or the Australian Poisons Information Centre: 131 126
Transport Emergency Only Dial: 000

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification
Serious eye damage / eye irritation - Category 2

GHS label elements
Hazard pictograms



Signal word: **WARNING!**

Hazard statements
Causes serious eye irritation.

Precautionary statements
Prevention
Wash skin thoroughly after handling.
Wear eye / face protection.

Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Other hazards which do not result in classification
None known

SECTION 3: COMPOSITION

This product is a mixture.

Component	CASRN	Concentration (% w/w)
Calcium chloride	10043-52-4	25 - 30 %

SECTION 4: FIRST AID MEASURES

Description of first aid measures
General advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth-to-mouth use rescuer protection (pocket mask etc). Call a poison control centre or doctor for treatment advice.

Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

Eye contact: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present after the first 5 minutes, then continue rinsing eyes. If effects occur, consult a physician, preferably an ophthalmologist.

Ingestion: Do not induce vomiting. Call a physician and/or transport to emergency facility immediately.

Most important symptoms and effects, both acute and delayed:
Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed
Notes to physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIREFIGHTING MEASURES

Hazchem Code: Not applicable.

Suitable extinguishing media: Water spray, alcohol-resistant foam, dry chemical, Carbon dioxide

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture
Hazardous combustion products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Nitrogen oxides. Carbon oxides.

Unusual Fire and Explosion Hazards: None known.

Advice for firefighters
Fire Fighting Procedures: Remove undamaged containers from fire area if it is safe to do so. Evacuate area. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately; this must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Use personal protective equipment. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions: If the product contaminates rivers and lakes or drains inform respective authorities. Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and materials for containment and cleaning up: Clean up remaining materials from spill with suitable absorbant. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, recovered material should be stored in a vented container. The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to over-pressurization of the container. Keep in suitable, closed containers for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). See Section 13, Disposal Considerations, for additional information.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Do not breathe vapours/dust. Handle in accordance with good industrial hygiene and safety practice. Smoking, eating and drinking should be prohibited in the application area. Avoid contact with eyes. Keep container tightly closed. Take care to prevent spills, waste and minimize release to the environment. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Conditions for safe storage: Store in a closed, properly labelled containers. Store in accordance with the particular national regulations.

Do not store with the following product types: Strong oxidizing agents.

Unsuitable materials for containers: Do not store in or use containers except the original product package.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.

Control parameters
Exposure limits are listed below, if they exist.

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible Concentration	Basis
Calcium chloride	10043-52-4	STEL	7 mg/m3	Corteva OEL
Sodium chloride	7647-14-5	TWA	10 mg/m3	Corteva OEL

Exposure controls
Engineering controls: Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. Local exhaust ventilation may be necessary for some operations.

Individual protection measures
Eye/face protection: Safety glasses (with side shields) should be consistent with EN 166 or equivalent. Eye/face protection should be compliant with Standards AS/NZS 1336: Recommended practices for occupational eye protection and AS/NZS 1337: Personal eye protection – Eye and face protection for occupational applications.
Skin protection: No precautions other than clean body-covering clothing should be needed.
When prolonged or frequently repeated contact could occur, use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full-body suit will depend on the task.
Hand protection: Use chemical resistant gloves classified under standard AS/NZS 2161.10: Protective gloves against chemicals and micro-organisms. When prolonged or frequently repeated contact may occur, a glove with a protection class of 4 (breakthrough time greater than 120 minutes) is recommended When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes) is recommended. Specific properties of gloves such as length, thickness and material barrier shall be adapted to the specific product nature and task. For manufacturing processes refer to site local occupational health guidance and procedures, for farmer use refer to labels and/or gloves manufacturer's, supplier's recommendations.

Respiratory protection: Respiratory protection should be worn when there is a potential to inhale dust, vapours, mist or spray. In confined or poorly ventilated areas, use an approved self-contained breathing apparatus or positive pressure air line with auxiliary self-contained air supply.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Liquid.
Colour	Brown
Odour	No data available
Odour Threshold	No data available
pH	5 -6
Melting point/range	No data available
Boiling point (760 mmHg)	No data available
Flash point - closed cup	No data available
Self-ignition	No data available
Flammability (solid, gas)	No data available
Vapour Pressure	No data available
Relative Density (water = 1)	1.3 g/cm3 (25 °C)
Water solubility	No data available
Decomposition temperature	No data available
Kinematic Viscosity	No data available
Explosive properties	No

NOTE: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not classified as a reactivity hazard.

Chemical stability: No decomposition if stored and applied as directed. Stable under normal conditions.

Possibility of hazardous reactions: No hazards to be specially mentioned.

Conditions to avoid: None known.

Incompatible materials: Strong acids. Strong bases. Strong oxidising agents.

Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Carbon oxides, Nitrogen oxides (Nox).

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Calcium chloride:

Acute oral toxicity	:	Swallowing may result in gastrointestinal irritation or ulceration. LD50 (Rat, male and female): 2,301 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	:	Vapours are unlikely due to physical properties. Dust may cause irritation to upper respiratory tract (nose and throat). LC50 (Rat): > 6.25 mg/l Exposure time: 4 h Test atmosphere: dust/mist Particle size information not available.
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Calcium chloride:

Result	:	No skin irritation

Serious eye damage/eye irritation

Calcium chloride:

Result	:	Eye irritation

Chronic toxicity

Germ cell mutagenicity

Calcium chloride:

Germ cell mutagenicity - Assessment	:	In vitro genetic toxicity studies were negative.

Reproductive toxicity

Calcium chloride:

Reproductive toxicity - Assessment	:	Did not cause birth defects or any other foetal effects in laboratory animals.

STOT - single exposure

Calcium chloride:

Assessment	:	Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Repeated dose toxicity

Calcium chloride:

Remarks	:	No relevant data found.

Aspiration toxicity

Calcium chloride:

Based on physical properties, not likely to be an aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Calcium chloride:

Toxicity to fish	:	LC50 (Lepomis macrochirus (Bluegill sunfish)): 10,650 mg/l Exposure time: 96 h Method Not Specified. LC50 (*Gambusia affinis* (Mosquito fish)): 13,400 mg/l
Toxicity to daphnia and other aquatic invertebrates	:	LC50 (*Daphnia magna* (Water flea)): 759 - 3,005 mg/l Exposure time: 48 h Method Not Specified.
Toxicity to algae/aquatic plants	:	EC50 (*Pseudokirchneriella subcapitata* (green algae)): > 4,000 mg/l Exposure time: 72 h OECD Test Guideline 201
Toxicity to microorganisms	:	EC50 (activated sludge): > 1,000 mg/l

Persistence and degradability

Calcium chloride:

Biodegradability	:	Biodegradation is not applicable.

Bioaccumulative potential

Calcium chloride:

Partition coefficient: n-octanol/water	:	No bioconcentration is expected because of the relatively high water solubility. Partitioning from water to n-octanol is not applicable.

Mobility in soil

Calcium chloride:

Distribution among environmental compartments	:	No relevant data found.

Other adverse effects

Calcium chloride:

Ozone-Depletion Potential : This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SECTION 14: TRANSPORT INFORMATION

International Regulations

UNRTDG
Not regulated for transport
Environmentally hazardous : No

IATA-DGR
Not regulated for transport

IMDG-Code
Not regulated for transport
Marine pollutant : No

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

ADG
Not regulated for transport
Hazchem Code : Not applicable

Special precautions for user

Not applicable

SECTION 15: REGULATORY INFORMATION

Poison Schedule: No poison schedule number allocated.
APVMA Approval Number: Not required to be registered.

SECTION 16: ANY OTHER RELEVANT INFORMATION

Revision
Issue Date: 13.10.2025 / Replaces:
Product code: U6C-7-1

Legend

Corteva OEL	Corteva Occupational Exposure Limit
STEL	Short term exposure limit
TWA	Time weighted average

Full text of other abbreviations
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; ECx - Concentration associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; N.O.S. - not otherwise specified; NOEC - Non-Observed Effective Concentration; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; (Q)SAR - (Quantitative) Structure Activity Relationship; SDS - Safety Data Sheet; UN - United Nations.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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