

## Safety Data Sheet

Alcedo™ SDS revision 22 February 2023

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	Alcedo™
<b>Other Names</b>	None
<b>Uses:</b>	Plant food, activator and catalyst for professional applicators
<b>Chemical family</b>	Plant / crop nutrition
<b>Chemical formula</b>	Compounded product, no data available
<b>Chemical name</b>	Compounded product, no data available
<b>Product description</b>	Liquid fertiliser, for the correction and prevention of plant nutrient deficiencies
<b>Contact details of the supplier of this Safety Data Sheet</b>	
<b>Company Name</b>	Vicentia Trading Pty Ltd
<b>Company address</b>	2 Hovey Rd Yatala QLD 4207 Australia
<b>Phone number</b>	+ 61 7 3451 0000
<b>Emergency contact</b>	Poison Information Centre Australia – 13 11 26

### 2. HAZARD IDENTIFICATION

<b>Poisons Schedule (Australian)</b>	Not listed in SUMP
<b>Globally Harmonised System (GHS) Hazard classification</b>	<b>Not Hazardous</b> according to the criteria of the GHS Classification and Labelling of Chemicals (GHS) and or Safe Work Australia code of practice, preparation of Safety Data Sheets for hazardous chemicals.
<b>Hazard Category</b>	Non-hazardous substance, Non-dangerous goods,
<b>Pictograms</b>	None allocated
<b>Signal word</b>	None allocated
<b>Hazard Statements</b>	None allocated
<b>Prevention</b>	None allocated
<b>Response</b>	None allocated
<b>Disposal</b>	P510 Dispose of contents/container in accordance with local, state and federal regulations
<b>National Transport Commission (Australian)</b>	
Australian Code for the transport of Dangerous Goods by Road and Rail (ADG Code)	
<b>Is Not a</b> Dangerous Goods according to the criteria of the ADG Code for road or rail transport ref ADG Code, ref to chapter 14 of this SDS.	

### 3. INFORMATION ON INGREDIENTS

No ingredients present which to the current knowledge of Vicentia Trading Pty Ltd & in the concentrations present are classified as hazardous and thereby require reporting in this section.

### 4. FIRST AID MEASURES

#### Description of necessary measures according to routes of exposure

<b>Swallowed</b>	Rinse mouth with water. Drink plenty of water/milk if possible. Do not induce vomiting, seek medical advice immediately. Take this SDS with you to the medical examination.
<b>Eye</b>	Immediately wash in and around the eye area with plenty of water for 15 minutes. Eyelids to be held apart. Check for contact lenses, remove if easy to do. Seek medical advice if irritation persists
<b>Inhalation</b>	Avoid breathing mist, spray or vapour. If inhaled, remove to fresh air. Should breathing become irregular or stop, apply artificial respiration. Consult a medical doctor immediately.

<b>Skin</b>	Take off contaminated clothing. Rinse skin / hair immediately with plenty of soap and water for several minutes. Seek medical advice if irritation persists. Wash clothing prior to reuse.
<b>Advice to Doctor</b>	Treat symptomatically based on judgement of doctor and individual reactions of patient.
<b>Medical Conditions Aggravated by Exposure</b>	No Data Available
Have the product container or label with you when calling the Poison Information Centre or a doctor or going for treatment.	

#### 5. FIRE FIGHTING MEASURES

<b>General measures</b>	Clear area of all non-emergency personnel. Stay upwind. Keep out of low areas. Move fire exposed containers from fire area if it can be done without risk.
<b>Flammability conditions</b>	Non-flammable, aqueous solution.
<b>Extinguishing Media</b>	Use any means suitable for extinguishing surrounding fire.
<b>Fire and Explosion Hazard</b>	Containers if heated, resultant increase in pressure may cause container to burst. Do not inhale fumes and or gases of combustion.
<b>Hazardous Products of Combustion</b>	No Data Available
<b>Special Fire Fighting Instructions</b>	Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
<b>Personal Protective Equipment</b>	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves).
<b>Flash point</b>	No data available
<b>Lower Explosion Limit</b>	No data available
<b>Upper Explosion Limit</b>	No data available
<b>Auto ignition Temperature</b>	No data available
<b>Hazchem Code</b>	No data available


#### 6. ACCIDENTAL RELEASE MEASURES

<b>General Response Procedures</b>	Avoid accidents, clean up immediately. Slippery when spilt. Increase ventilation. Avoid generating dust from dried product. Stop leak if safe to do so. Isolate the danger area.
<b>Clean up Procedures</b>	Land spill: Dike spill with absorbent or impervious materials such as earth, sand or clay. Vacuum, shovel, pump or sweep up the product and place in containers for disposal in accordance with applicable local regulations. Avoid contamination of water bodies during clean up and disposal. See containment section below. Spillage into water. Where possible, remove any intact containers from the water. Advice to local water authority that none of the affected water should be used for irrigation or for the abstraction of potable water until natural dilution returns water to normal environmental background levels.
<b>Containment</b>	Stop Leak if safe to do so. Isolate the danger area. Dike and absorb spill using inert absorbent materials such as earth, sand, clay, zeolite, or diatomaceous earth.
<b>Environmental Precautionary Measures</b>	DO NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority and local Waste Management. The product is soluble in water (see section 12)
<b>Evacuation Criteria</b>	Evacuate all unnecessary personal from immediate area
<b>Personal Precautionary Measures</b>	Personal involved in the clean-up should wear protective clothing as listed in section 8.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Prevent against physical damage. Wash hands after handling this material. Good housekeeping, splash and dust (when product dries) prevention procedures should be followed to minimize exposure and accumulation. Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Avoid contact with eyes, skin and clothing. Do not inhale product mist, spray or fumes.
<b>Storage</b>	Store in a cool, dry, well-ventilated area. Keep containers tightly closed if not in use. Do not store in temperatures less than 5 deg C. Inspect regularly for hazards such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Do not store with food stuffs. Use good housekeeping practices to prevent accumulation of product and follow sound cleaning techniques that will prevent contamination. Dry indoor storage is recommended. Provide appropriate ventilation and store containers such as to prevent any accidental damage.
<b>Container / tankage</b>	Store in original packaging as approved by manufacturer

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	No specific exposure standards has been established for this product by Safe Work Australia
<b>Exposure Limits</b>	No Data Available. However all atmospheric contamination should be keep to as low a level as is workable
<b>Biological limits</b>	No information on biological limit values available for this product.
<b>Engineering Measures</b>	A system of local and or general exhaust is recommended to keep employee exposure as low as possible. Local exhaust extraction / ventilation is preferred as it controls emissions at the source preventing dispersion of the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.
<b>Personal Protection Equipment PPE</b>	
	RESPIRATOR: Respirators should be used for conditions of use where exposure to spray or mist is apparent and engineering controls are not feasible.
	EYES: Use chemical safety goggles. Maintain eye wash fountain and quick drench facilities in work area (AS1336/1337). An emergency eyewash or water supply should be readily accessible to the work area.
	HANDS: Gloves, chemical resistant (AS2161).
	CLOTHING: Lab coat, apron or coveralls and safety footwear (AS3765/2210).
<b>Work Hygienic practices</b>	Thoroughly wash hands, forearms and face after using product, prior to eating, smoking using toilet or at end of work period. Contaminated clothing to be laundered prior to re-use

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid
<b>Appearance</b>	Solution
<b>Odour</b>	Slight, characteristic
<b>Colour</b>	Light brown
<b>pH</b>	2.5 - 5.5
<b>Vapour pressure</b>	No Data Available
<b>Relative Vapour Density</b>	No Data Available
<b>Boiling point</b>	>100 degrees Celsius
<b>Melting point</b>	No Data Available
<b>Freezing point</b>	No Data Available
<b>Solubility in water</b>	Soluble in water (aqueous solution)

<b>Specific gravity (kg/l)</b>	1.0 – 1.07
<b>Flash point</b>	No Data Available
<b>Auto Ignition Tem</b>	No Data Available
<b>Decomposition temp</b>	No Data Available
<b>Molecular weight</b>	No Data Available
<b>Particle size</b>	Solution product, no significant particles present
<b>Particle size distribution</b>	Solution product, no significant particles present
<b>Viscosity</b>	< 500 centipoise

**Note:** Physical data are typical values but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

#### 10. STABILITY AND REACTIVITY

<b>General Information</b>	This product is stable under normal handling and storage conditions.
<b>Chemical Stability</b>	Stable under ordinary conditions.
<b>Conditions to Avoid</b>	Excessive heat, do not store near heat or flames or temperatures below 5 deg C.
<b>Materials to Avoid</b>	No Data Available
<b>Hazardous Products of Decomposition</b>	No Data Available
<b>Hazardous Polymerisation</b>	No Data Available

#### 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	No Data Available Exposure by all routes should be minimised under good product stewardship.
<b>Eye Irritant</b>	No Data Available
<b>Ingestion</b>	No Data Available
<b>Inhalation</b>	No Data Available
<b>Skin Irritant</b>	No Data Available
<b>Reproduction</b>	No Data Available
<b>Carcinogen Category</b>	No Data Available
<b>Mutagenicity</b>	No Data Available
Information on toxicological effects by ingredients where available	
	No Data Available

#### 12. ECOLOGICAL INFORMATION

<b>General Ecotoxicity</b>	Adopt good working practices and procedures to restrict environmental release.
Algal toxicity	No Data Available
Invertebrate toxicity	No Data Available
Vertebrate toxicity	No Data Available
<b>Persistence/ Degradability</b>	Readily biodegradable in soil
<b>Mobility</b>	Highly soluble in water
<b>Environmental Fate</b>	Do NOT let product reach waterways, drains and sewers
<b>Bioaccumulation</b>	Low, as all elements in product are essential to plant life
<b>Environmental impact</b>	No Data Available

#### 13. DISPOSAL CONSIDERATIONS

<b>General Information</b>	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
<b>Special Precautions for Landfill</b>	Small quantities of this product can usually be disposed of at Liquid Waste Disposal sites. No special disposal treatment is required, but local authorities should be consulted about any specific local requirements. Larger volumes of this product are not recommended to be sent to Liquid Waste Disposal sites. Such product should, if possible, be used for an appropriate application.

#### 14. TRANSPORTATION INFORMATION

##### Land Transport, Australian Dangerous Goods Code (ADG Code) for transport by road and rail.

<b>DG classification</b>	<b>Not a</b> Dangerous goods as per ADG Code
<b>Proper Shipping Name</b>	None allocated
<b>Class</b>	None allocated
<b>EPG</b>	None allocated
<b>UN Number</b>	None allocated
<b>Packaging group</b>	None allocated
<b>Air transport: International Air Transport Association (IATA)</b>	
<b>DG classification</b>	Not regulated
<b>Proper Shipping Name</b>	None allocated
<b>Class</b>	None allocated
<b>EPG</b>	None allocated
<b>UN Number</b>	None allocated
<b>Packaging group</b>	None allocated

#### 15. REGULATORY INFORMATION

<b>General information</b>	<b>Not a</b> Dangerous goods under ADG Code
<b>Poisons Schedule</b>	Not listed in SUMP
<b>Hazardous Chemical Information system (HCIS)</b>	Not listed in HCIS

#### 16. OTHER INFORMATION

The information contained in this SDS is by way of general comment only. Because conditions of use, suitability of product and application conditions are beyond the control of Vicentia Trading PTY LTD, this SDS does not offer an advice in respect to any product. The authors and Vicentia Trading PTY LTD hereby disclaim any liability to any person, property, or thing in respect of any consequence of anything done or omitted to be done by any person in reliance, whether wholly or in part, upon whole or part of the contents of this SDS.

#### KEY

< Less than  
 > Greater than  
 a.i. Active ingredient  
**ADG Code** Australian dangerous goods code  
**AICS** Australian Inventory of Chemical Substances  
**ATE** Acute toxicity estimation  
**atm** Atmosphere  
**CAS** Chemical Abstract Service (registry number)  
**Cm<sup>2</sup>** Square Centimetres  
**CO<sub>2</sub>** Carbon Dioxide  
**deg C (°C)** Degrees Celsius  
**EPA** Environmental Protection Agency based in each state of Australia  
**g** Grams  
**g/cm<sup>3</sup>** Grams per Cubic Centimetre  
**g/l** Grams per Litre  
**GRAS** Generally recognised as safe

**HSIS** Hazardous substances information system  
**HSNO** Hazardous substances and New Organism  
**HDPE** High density polypropylene  
**IDLH** Immediately Dangerous to Life and Health  
**Immiscible** Liquid are insoluble in each other  
**inHg** inch of Mercury  
**InH<sub>2</sub>O** Inch of Water  
**K** Kelvin  
**kg** Kilogram  
**kg/m<sup>3</sup>** Kilogram per Cubic Metre  
**LC<sub>50</sub>** LC stands for lethal concentration, LC<sub>50</sub> is the concentration of a product in air that will cause the death of 50% of a population of test animals. Product is normally inhaled for between 1 and more typically 4 hours

**LD<sub>50</sub>** LD stands for lethal dose. LD<sub>50</sub> is the amount of product given in a single dose, causing death in 50% of a population of test animals.

**LDLo** The lowest amount of a solid or liquid material reported to have caused the death of animals or humans

**m<sup>3</sup>** Cubic Metre

**mbar** Millibar

**mg** Milligram

**mg/24H** Milligrams per 24 hours

**mg/kg** Milligrams per Kilogram

**mg/m<sup>3</sup>** Milligrams per Cubic Metre

**Misc** or **Miscible** Liquids from one homogeneous liquid phase regardless of the amount of either component present

**mm** Millimetre

**mmH<sub>2</sub>O** Millimetres of Water

**mPa.s** Millipascals per Second

**MSHA** Mine safety and health administration

**N/A** Not Applicable

**NIOSH** National Institute for Occupational Safety and Health

**End of SDS**

**NOHSC** National Occupational Health and Safety Commission

**OECD** Office for Economic Co-operation and Development

**PEL** Permissible Exposure Limit

**Pa** Pascal

**ppb** Parts per Billion

**PPE** personal protective equipment

**ppm** Parts per Million

**ppm/2h** Parts per million per 2 hours

**ppm/6h** Parts per million per 6 hours

**psi** Pounds per square inch

**R** Rankine

**RCP** Reciprocal Calculation Procedure

**SCBA** Self Contained Breathing Apparatus

**SWA** Safe Work Australia

**STEL** Short Term Exposure Limit

**SUSMP** Standard for the uniform scheduling of medicines and poisons

**TVL** Threshold Limit Value

**TWA** Time Weighted Average

**UN** United Nations

**wt** Weight