



SECTION 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Table with 2 columns: Property (e.g., Product Identifier, Active Constituent, Other means of Identification) and Value (e.g., DISTRIBUTION WETTER 1000, 1000 g/L ALCOHOL ALKOXYLATE).

SECTION 2: HAZARDS IDENTIFICATION (continued on page 2)

- Classified as HAZARDOUS in accordance with the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004) 3rd Edition and the Globally Harmonized System of Classification and Labelling of Chemicals (the GHS).
Considered non-dangerous for road and rail transport by the Australian Code for the Transport of Dangerous Goods Road and Rail (August 2014 edition)
Considered DANGEROUS for transport by sea and air in accordance with the IMDG Code 37-14 (refer Section 14)

Classification of hazardous chemical

Table with 2 columns: Hazard Name (Acute Toxicity Oral, Skin Corrosion /Irritation, Serious eye damage/eye irritation) and Category (Category 4, Category 2, Category 1).

2.2 Label Elements

Signal Word
GHS Symbols

DANGER



Corrosion



Exclamation Mark

General Precautionary Statements.

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use

Hazard Statements

- H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary Statements

Prevention	P262	Do not get in eyes, on skin, or on clothing.
	P264	Wash contacted areas thoroughly after handling.
Response	P270	Do not eat, drink or smoke when using this product.
	P280	Wear protective gloves, protective clothing and eye or face protection.
	P310	Immediately call a POISON CENTRE or doctor/physician.
	P362	Take off contaminated clothing and wash before reuse.
	P301+P312	IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
	P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P332+P313	If skin irritation occurs: Get medical advice.
	P353	Rinse skin or shower with water.
	P337+P313	If eye irritation persists: Get medical advice.
Storage	P370+P378	Suitable extinguishing media are carbon dioxide, dry chemical, foam, water fog. Avoid the use of water jets.
	P403+P235+P233	Store in a well-ventilated place. Keep cool. Keep container tightly closed.
Disposal	P405	Store locked up
	P501	Dispose of contents and container in accordance with local, regional and national regulations.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical ingredients:	Component	CAS No	Concentration %
CAS number and other unique identifiers:	Alcohol alkoxyate	103818-93-5	1000 g/ L
Concentration of ingredients:	Other non-hazardous ingredients		Balance to 100%

SECTION 4: FIRST AID MEASURES

In Case Of Emergency Dial 000 and/or Poisons Information Centre: Phone: 13 11 26 and speak to a Poisons Information Specialist. Take this SDS and or DFU/Label with you or when calling the Poisons Information Centre

Description of first aid measures

General advice: Those who offer First Aid 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: No first aid measures normally required. If inhalation has happened, and an irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Skin Contact: Wash with warm water and soap for 10-20 minutes or until product is removed. Remove contaminated clothing, shoes and leather goods under running water (eg shower) and launder them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

Eye Contact: Immediately flush the contaminated eye with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor. Have this SDS and/or Label with you.

SECTION 5: FIRE FIGHTING MEASURES (continued on page 3)

Fire and Explosion Hazards This product is classified as a C2 combustible product. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids.

Suitable extinguishing media	Carbon dioxide, dry chemical, foam, water fog. Avoid the use of water jets.
Hazards from Combustion Products	Combustible, C2. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.
Special Protective Equipment for fire fighters	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away. If it can be done safely, remove intact containers from the fire. Otherwise, use water spray to cool them. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later.
Other Information	Flash point: 169°C (Closed cup) Upper Flammability Limit: No data. Lower Flammability Limit: No data. Auto ignition temperature: No data. Flammability Class: Not flammable (GHS); C2 combustible (AS 1940)

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	In case of spillage it is important to take all steps necessary to: Avoid contact with the spilled material or contaminated surfaces. Extinguish or remove any sources of ignition. When dealing with spills do not eat, drink or smoke and wear protective clothing and equipment. Keep people and animals away. Prevent spilled material from entering drains or watercourses.
Environmental precautions	Do not allow to get into surface water, drains and ground water. If the product contaminates rivers and lakes or drains inform respective authorities. Reposition any leaking containers so as to minimise leakage. Dam and absorb spill with an absorbent material (eg sand or soil). Shovel the absorbed spill into drums
Methods and materials for containment and cleaning up	Contain spill and absorb with earth, sand, clay, or other absorbent material. Collect and store in properly labelled, sealed drums for safe disposal. Deal with all spillages immediately.). Clean contaminated floors and objects thoroughly, observing environmental regulations. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.
6.4 Reference to other sections	Information regarding safe handling see section 7. Information regarding personal protective equipment see section 8. Information regarding waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Safe work practices are recommended. Avoid contact with eyes and skin. When opening the container and preparing spray wear appropriate PPE (refer Section 8). Do not spray under high wind conditions. Hygiene measures: When using products, do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash hands thoroughly with soap and water after use and before eating, drinking, smoking/using tobacco, chewing gum, using the toilet or applying cosmetics. After each day's use, wash gloves, face shield or goggles and contaminated clothing. Avoid contact with eyes and skin.
Conditions for safe storage, including any incompatibilities	Keep out of reach of children, unauthorised persons and animals. Store in tightly sealed original containers in a dry secure place away from fertilizers, feed and food. Store out of direct sunlight and extreme temperature. Always read the label and any attached leaflet before use.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Appropriate engineering controls

Exposure limits have not been established by SWA for any of the significant ingredients in this product. No special equipment is usually needed when occasionally handling small quantities.

The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: No special ventilation requirements are required for this product providing the work environment remains clean and that vapours and mists are minimised.

Eyebaths or eyewash stations and safety deluge showers should be provided near to where this product is being handled commercially.

Personal protective equipment (PPE):

When opening the container, preparing the spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length PVC chemical resistant and face shield or goggles.

When using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and optional once chemical is prepared for use, elbow length PVC chemical resistant and face shield or goggles if protected from spray drift/contamination.

Face and Eye Protection: Face shield or goggles.

Clothing: Cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat.

Gloves: Elbow-length chemical resistant PVC gloves.

Respiratory: If airborne concentrations are likely to exceed the exposure standards above or if exposed to dust, an AS/NZS 1715/1716 approved respirator should be worn.

Recommended to use Australian and New Zealand Standard PPE:

Overalls AS 3765, Clothing for protection against Hazardous chemicals

Gloves: AS/NZS 2161, Industrial safety gloves and mittens (not electrical and medical gloves)

Goggles and face shield As/NZS 1337, Eye protectors for industrial applications.

Footwear AS/NZS 2210, Occupational protective footwear

Respirators AS NZS 1715 Selection,

Use and Maintenance of Respiratory Protective Devices AS/NZS 1716, Respiratory Protective Devices

Requirements Concerning Training

Check State and/or Territory regulations that require people who use pesticides in their job or business to have adequate training in the application of the materials.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Appearance	Clear pale straw coloured liquid.
Melting Point	<0°C
Boiling Point	>100°C at 100kPa
Solubility in Water	Soluble in water.
Specific Gravity	1.003
pH	6-8 (1%)
Vapour Pressure	N/A
Flash Point	169°C (CC)
Flammability	Combustible liquid C2.
Kinematic Viscosity	80-100 mPa.s @ 20°C

SECTION 10: STABILITY AND REACTIVITY (continued on page 5)

Chemical Stability:

Stable under normal conditions.

Possibility of hazardous reactions:

Violent reactions between the product and oxidising agents are possible.

Conditions to Avoid:

Avoid chlorates, nitrates, nitric acid, organic peroxides and potassium chlorate. This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry. Keep containers and surrounding areas well ventilated.

Fire Decomposition:

Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Hazardous Polymerization:

Hazardous polymerisation is not possible.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicology Information	No harmful effects are expected if the precautions on the label and this SDS are followed.
Acute Toxicity - Oral	No data available.
Acute Toxicity - Dermal	No data available.
Acute Toxicity - Inhalation	No data available.
Ingestion	Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury. Will cause irritation to mouth, throat and stomach. If aspirated into the lung, e.g. from vomiting, the presence of the product may result in lung damage.
Inhalation	Not a likely route of exposure when handling the concentrate.
Skin	This product is a skin irritant. Symptoms may include itchiness and reddening of contacted skin. Other symptoms may also become evident, but if treated promptly, all should disappear once exposure has ceased.
Eye	This product is a severe eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms such as swelling of eyelids and blurred vision may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment is likely to cause permanent damage.
Chronic Effects	No information available, no chronic effects expected
Carcinogen Status:	SWA: No significant ingredient is classified as carcinogenic by SWA. NTP: No significant ingredient is classified as carcinogenic by NTP. IARC: No significant ingredient is classified as carcinogenic by IARC.

SECTION 12: ECOLOGICAL INFORMATION

The product is a surfactant. No data is available for this product, but no significant environmental effects are expected. Though, contamination of water bodies should be avoided.

SECTION 13: DISPOSAL CONSIDERATIONS (continued on page 6)

Disposal of product On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).

Disposal of Container

Do not use this container for any other purpose. Triple rinse containers; add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. drumMUSTER is the national program for the collection and recycling of empty, cleaned, non-returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMUSTER symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, puncture or shred and bury containers in local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SECTION 14: TRANSPORT INFORMATION

General Transport Information	It is considered good practice not to transport agricultural chemical products with food, food related materials and animal feed products.
Land	Considered NON-DANGEROUS for road and rail transport by the Australian Code for the Transport of Dangerous Goods Road and Rail (August 2014 edition)
Sea and Air	Considered NON DANGEROUS for transport by sea and air in accordance with the IMDG Code 37-14

SECTION 15: REGULATORY INFORMATION

Regulatory Information	AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.
Poisons Schedule	Not Scheduled
Packaging & Labelling	KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Other Information	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 53168

SECTION 16: ANY OTHER RELEVANT INFORMATION

Review	This Safety Data Sheet (SDS) was completed 29 January 2017 and replaces MSDS dated 07/11/13.
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Acronyms:

AVPMA: Australian Pesticides and Veterinary Medicines Authority.
GHS: Globally Harmonised system of Classification and Labelling of chemicals
HSIS: Hazardous Substances Information System
NOHSC: National Occupational Health and Safety Commission
CAS No.: unique numerical identifier assigned by Chemical Abstracts Service (division of the American Chemical Society)
STEL Exposure standard - short term exposure limit.
AS/NZS: Australian Standards and New Zealand Standards for Personal protective equipment
ADI: Acceptable Daily Intakes For Agricultural And Veterinary Chemicals
ADG: Australian Dangerous Goods
IMDG: International Maritime Code of Dangerous Goods
IATA: International Air Transport Association

End of SDS

DISCLAIMER:

This SAFETY DATA SHEET has been developed according to the Work Health and Safety Regulations (WHS Regulations) Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals December 2011. The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof. The purpose of this SAFETY DATA SHEET is to describe product in terms of their safety requirements. Grow Choice Pty Ltd makes no representation of merchantability, fitness for a particular purpose of application, or of any other nature with respect to the information or the product to which the information refers ("the product"). The information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purpose prior to the use of the product. The physical data shown herein are typical values based on the material tested. These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots thereof.

Due care should be taken to make sure that the use or disposal of this product and/or its packaging is in compliance with Relevant Federal, State and Local