



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

SAFETY DATA SHEET

Date of Issue: 1 January 2019

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CAMPBELL ARMOBREAK
Other Names: N/A
Chemical Group: Unknown
CAS No.: N/A
Recommended Use: Soluble fertiliser for bud breaking
Supplier Details: Colin Campbell (Chemicals) Pty Ltd ABN 29 000 045 590
5 Blackfriar Place
Wetherill Park NSW 2164
Telephone: (02) 9725 2544
Fax: (02) 9604 7768
Email: cccsyd@campbellchemicals.com.au
Website: www.campbellchemicals.com.au
Contact: Product Development Manager – (02) 9725 2544
Emergency Telephone Number: 13 11 26 (Poisons Information Centre)

2) HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA.

GHS classification: Acute toxicity Category 4
Acute aquatic toxicity Category 1
Chronic aquatic toxicity Category 1

GHS Signal Words: WARNING

Hazard Statements : H302 Harmful if swallowed.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

General No statements required

Precautionary Statements :

Pictograms :



Precautionary statements P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
Prevention: P273 Avoid release to the environment.
P280 Wear protective gloves.



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Precautionary statements P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Response: P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

Storage : None allocated.

Disposal: None allocated.

Other information : No information provided.

3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
alkyl (vegetable oil) amine alkoxyated	1258305-76-8	100%

4) FIRST AID MEASURES

**If poisoning occurs, move out of dangerous area immediately contact a doctor or Poison Information Centre (Ph: 13 11 26) and follow the advice given.
Show this Safety Data Sheet to the doctor.**

If inhaled: If breathed in, move person into fresh air.
Consult a physician after significant exposure.

In case of skin contact: Take off contaminated clothing and shoes immediately.
Rinse immediately with plenty of water.

In case of eye contact: Rinse with plenty of water. Remove contact lenses. Protect unharmed eye.
Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed: For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

First Aid facilities Ensure eye wash and safety shower are available.

Medical Attention: No information available.



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5) FIRE FIGHTING MEASURES

Extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Treat as an oil fire. Extinguishing media: water mist, foam, dry chemical powder or carbon dioxide. Unsuitable extinguishing media: water jet.
Hazard from combustion products	None known
Precautions for fighting fires	Do not allow run-off from fire fighting to enter drains or watercourses. In the event of fire, wear self-contained breathing apparatus. 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. Non-flammable. If involved in a fire, it will support combustion. Hazardous decomposition/combustion products. Carbon monoxide, carbon dioxide.
Hazchem Code	None allocated

6) ACCIDENTAL RELEASE MEASURES

Do not smoke, eat or drink during the clean up process. Wear personal protective clothing and equipment as detailed in Section 8 PERSONAL PROTECTION. Keep people and animals away. Contain spill and sweep up and collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Soak up with inert absorbent material (e.g. sand, Methods for containment silica gel, acid binder, vermiculite, sawdust). Keep in suitable, closed containers for disposal. Prevent spilled material from entering drains or watercourses. Clean floor with a damp cloth and place it in the drum. If contamination of drains, streams, watercourses etc is unavoidable warn the local water authority.

7) HANDLING AND STORAGE

Handling	Keep out of reach of children. Use personal protective equipment. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Do not inhale spray mist. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves and contaminated clothing.
Storage	Store in the tightly closed original container only. Store in a cool dry area out of the way of children and sunlight. Store so as to prevent contamination by or of reducing agents, acids, metals, alkalis, nitrites or organics, and away from farm chemicals, e.g. insecticides, fungicides and herbicides and foodstuffs.



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8) EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards	No exposure limits determined. Exposure standard – Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight hour working day, for a five-day working week.
Biological Limit Values	None allocated
Engineering Controls	Avoid splash and inhalation of spray mists. Provide eyewash station.
Personal Protective Equipment	Eyes: Safety goggles. Eye wash bottle with pure water. Clothing: Where skin contact may occur, and for individuals with sensitive skin, wear ankle length and long sleeved clothing or overalls. Wear a PVC or rubber apron and rubber boots during transfer operations if there is a risk of splash/direct contact with the skin. Gloves: Wear impervious neoprene or nitrile gloves during transfer operations if there is a risk of splash or direct contact with the hands. Before removing gloves clean them with soap and water. Respiratory: No specific advise: vapour pressure < 10 Pa(20°C),

9) PHYSICAL AND CHEMICALS PROPERTIES

Appearance:	Amber coloured viscous liquid.
Odour:	Amine like odour
pH:	6-10 (100 g/l, in water)
Vapour pressure:	< 10 Pa (20°C), < 100 Pa (345°C)
Vapour density:	Not determined
Boiling point:	>300°C
Melting point:	< -10°C (Pour Point, ASTM D97, °C)
Solubility:	Completely soluble with water.
Solubility in other solvents :	Soluble in ethanol and octanol. Soluble in xylene
Specific gravity:	990 kg/m ³ (20°C)
Viscosity:	235 mPa.s (20°C, Newtonian) (Haake RV 2)
Flash point:	> 178°C , Pensky-Martens closed cup [ISO 2719]
Flammability (explosive) limit:	Not combustible
Auto ignition temperature:	Not combustible
Partition coefficient (octanol/water):	Not determined



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10) STABILITY AND REACTIVITY

Chemical stability:	Stable at ambient temperatures.
Conditions to avoid:	Weak base. Exothermic (reversible) reaction with strong acids.
Incompatible materials :	Strong acids
Hazardous decomposition products:	May evolve nitrogen oxides and ammonium when heated to decomposition.
Hazardous reactions:	None known.

11) TOXICOLOGICAL INFORMATION

Inhalation:	Inhalation of (aqueous) aerosols may cause irritation to mucous membranes.						
Skin contact:	May cause skin irritation.						
Eye contact:	May cause irritation to the eyes, respiratory system.						
Ingestion:	Harmful if swallowed. May cause irritation of the mucous membranes.						
Chronic toxicity: Germ cell mutagenicity:	Not mutagenic (Ames test) (<i>IAAS E-file</i>). In vitro cell gene mutation test (in V79 cells): not mutagenic. In vitro cytogenetic test in human lymphocytes: not mutagenic.						
Carcinogenicity:	Not classified as a carcinogen.						
Toxic to reproduction:	Not classified as a reproductive toxin.						
Specific target organ toxicity (repeated exposure):	Not classified as causing organ damage from repeated exposure.						
Acute toxicity:	<table border="1"><thead><tr><th>Oral toxicity (LD50)</th><th>Dermal toxicity (LD50)</th><th>Inhalation toxicity (LC50)</th></tr></thead><tbody><tr><td>500-2000 mg/kg (rat)</td><td>> 2000 mg/kg (rat)</td><td>-</td></tr></tbody></table>	Oral toxicity (LD50)	Dermal toxicity (LD50)	Inhalation toxicity (LC50)	500-2000 mg/kg (rat)	> 2000 mg/kg (rat)	-
Oral toxicity (LD50)	Dermal toxicity (LD50)	Inhalation toxicity (LC50)					
500-2000 mg/kg (rat)	> 2000 mg/kg (rat)	-					
Sensitisation:	Not classified as causing skin or respiratory sensitisation.						
Respiratory sensitisation	Not classified as causing aspiration.						
Specific target organ toxicity (single exposure):	No information.						



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12) ECOLOGICAL INFORMATION

Ecotoxicity:	Fish 96h-LC50 : 0.34 mg/l. (Oncorhynchus mykiss) Daphnia 48 h-EC50 : 0.26 mg/l (<i>IAAS E-file</i>). M-Factor 1
Environmental fate, persistence and degradability, mobility	Not readily biodegradable. SCAS test: Biodegradable. No data available on bioaccumulation and mobility.
Identified harmful effects on environment:	Avoid contaminating waterways.
Other precautions:	No data available.

13) DISPOSAL CONSIDERATIONS

The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Hazardous waste.

14) TRANSPORT INFORMATION

International regulation

UNRTDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polymer: alkylamine alkoxyate). Class 9.
IATA-DGR	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polymer: alkylamine alkoxyate). Class 9. Packing instruction (cargo aircraft) 964. PG III. Labels 9. Environmentally hazardous
IMDG-Code	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polymer: alkylamine alkoxyate). Class 9. PG III. Label 9. EmS number F-A, S-F. Marine pollutant
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code :	Not applicable for product as supplied.

National Regulations

ADG Code

Not considered as a dangerous good for transport by road or rail in Australia under the Australian Dangerous Goods Code.



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15) REGULATORY INFORMATION

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

16) OTHER INFORMATION

Date of revision : 1 January 2019
Reason for revision : Upgrading to GHS format.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

END OF SDS