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MATERIAL SAFETY DATA SHEET

FOCUS WATER POLISH PLUS

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Focus Water Polish Plus
Product Code	-
Other Names	-
Product Use	Algaecide
Company Name	Focus Products Pty Ltd
Address	35 Moreton St Heathwood QLD 4110 PO Box 131 Carole Park QLD 4300
Telephone Number	1800 42 55 66
Emergency Telephone	0411 623 619 (A/H)

2. HAZARDS IDENTIFICATION

NON HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.

Not classified as hazardous according to the criteria of Safe Work Australia.

Hazards	-
Risk Phrases	-
Safety Phrases	S 2 – Keep out of reach of children.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient (common name)	CAS Number	Proportion
Polydimethyldiallylammonium chloride (2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer)	26062-79-3	<20%
Water	7732-18-5	to 100%

4. FIRST AID MEASURES

Inhalation	If inhaled remove victim to fresh air. Apply CPR if victim is not breathing. Administer oxygen if breathing is difficult. Remove contaminated clothing and loosen remaining clothing. Allow victim to assume most comfortable position and keep warm. Seek
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Ingestion	immediate medical attention. Immediately rinse mouth with water. If swallowed, DO NOT induce vomiting. Give one or two glasses of water or milk to drink. Avoid alcohol. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Skin	If skin contact occurs, immediately remove contaminated clothing and wash skin running water and soap for at least 15 minutes. Seek medical attention if swelling, redness, blistering or irritation occurs.
Eyes	If eye contact occurs, hold eyelids apart and flush the eye continuously with large amounts of water for at least 15 minutes. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	For major fires call the Fire Brigade. Ensure that an escape path is available from any fire. Use extinguishing media suitable for surrounding fire.
Hazardous Combustion Products	Oxides of carbon, nitrogen and hydrogen chloride.
Firefighting Equipment	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
Unusual Fire or Explosion Hazards	Not flammable.
Hazchem Code	Not assigned.

6. ACCIDENTAL RELEASE

Spills	In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection and impervious elbow-length gloves Spills will be slippery. Avoid accidents, clean up immediately. Contain and/or absorb spills with sand or vermiculite. Collect and seal in properly labeled containers for disposal.
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7. HANDLING AND STORAGE

Handling	Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Provide adequate ventilation.
Storage	Store in the closed, original container in a dry, well ventilated area. Keep container tightly closed when not in use. Do not store in direct sunlight.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards (Safe Work Australia)	No exposure standards set.
Engineering Controls	Use local exhaust ventilation.
Respiratory Protection	Not necessary if engineering controls maintain airborne concentrations low. See Australian Standards AS/NZS 1715 and 1716 for more information.
Eye Protection	Wear safety glasses with side shields (or goggles) and a face shield. See Australian Standards AS 1336 and AS/NZS 1337 for more information.
Skin Protection	Wear protective gloves and protective clothing appropriate for the risk of exposure. See Australian Standards AS 2161 and 2919 and AS/NZS 2210 for more information.
Hygienic Practices	Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue liquid
Odour	No information available
Solubility in water	Completely miscible
Boiling Point	Approximately 100°C
Freezing point	No information available
Vapour Pressure (mm of Hg @ 25°C)	Approximately 25
Vapour Density (Air = 1)	No information available
Specific Gravity	1
Flash Point	Not flammable
Flammable Limit – Lower	Not flammable
Flammable Limit – Upper	Not flammable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable.
Incompatible Materials	Anionic polymers.
Hazardous Decomposition Products	Oxides of carbon, nitrogen and hydrogen chloride.
Hazardous Polymerization Conditions to Avoid	Will not occur. Contact with other chemicals.

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11. TOXICOLOGICAL INFORMATION

Toxicity	Polydimethyldiallylammonium chloride: Oral LD ₅₀ : 3000 mg/kg (rat) Oral LD ₅₀ : 1720 mg/kg (mouse) Oral LD ₅₀ : 3250 mg/kg (guinea pig)
Routes of Exposure	Inhalation, ingestion, eye and skin
Acute Health Effects	Inhalation: Inhalation is not a hazard due to low vapour pressure at ambient temperatures. Ingestion: Harmful if swallowed. May cause nausea and vomiting. Eye: May be irritating to eye tissue. Skin: May be irritating to skin tissue.
Chronic Health Effects	No information available, although unlikely to cause long term health problems.
Existing Conditions	None known.
Aggravated by Exposure	
Carcinogenicity	This product does not contain any chemical listed by IARC.

12. ECOLOGICAL INFORMATION

Ecotoxicity	This product is toxic to fish. Do not allow it to enter streams or waterways.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods and containers	Dispose according to applicable local and state government regulations.
Special precautions for landfill or incineration	Please consult your state Land Waste Management Authority for more information

14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

UN Number	Not applicable
Proper Shipping Name	Not applicable
Dangerous Goods Class	Not applicable
Hazchem Code	Not applicable
Packing Group	Not applicable
Special Precautions	Not applicable

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15. REGULATORY INFORMATION

Polydimethyldiallylammonium chloride and water are listed in the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Last Revision of MSDS Rev 2.0 (30/08/2012)
Prepared by MSDS.COM.AU Pty Ltd
Abbreviations Used IARC: International Agency for Research on Cancer
STEL: Short term exposure limit
TWA: Time weighted average

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Emergency Contacts

Focus Products Pty Ltd	1800 42 55 66
Focus Products Pty Ltd – Emergency Number	0411 623 619 (A/H)
Police and Fire Brigade	000
Poisons Information Centre	13 11 26

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Please read instructions / label before using product.

This MSDS is prepared in accord with the Safe Work Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]