SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER			
Chemical Nature:	Not available		
Trade Name:	**Waterguard**		
SUPPLIER:	Aquatic Technologies		
ADDRESS:	42 Yazaki Way Carrum Downs VIC 3201, Australia		
TELEPHONE	**+61 409 180 707**	**FAX:**	
Substance:	Liquid	**Product Use:**	Liquid anti-evaporation film & Water surface polish
This version issued:	July 2019	**Up for revision:**	July 2024
In case of Emergency:	13 11 26 – Poisons Information Centre		

SECTION 2 – HAZARDS IDENTIFICATION	
Classification of the substance or mixture	
• This product is classified as **NON-HAZARDOUS** according to the criteria of NOHSC Australia • The product is classified as **NON-HAZARDOUS** according to GHS • This product is classified as **NON-HAZARDOUS** according to the criteria of Safe Work Australia	
GHS – GLOBALLY HARMONISED SYSTEM	
GHS Classification	Not applicable
GHS Pictogram	Not applicable
GHS Signal Word	Not applicable
Hazard Statement(s)	
Not applicable	
Precautionary Statement(s)	
While this material is not classified as hazardous, this SDS contains valuable information relating to safe handling and proper use of the product. This SDS should be retained and made available to employees and other uses of this product. Exposure to any chemical should be kept to a minimum. Skin or eye contact may result in irritation. Always follow safe industrial hygiene practices and wear proper personal protective clothing and equipment when handling chemicals.	
Acute Health Effects may include:	
Ingestion:	Excessive ingestion may cause nausea or diarrhea. Mouth, throat and stomach may become irritated. Rinse and gargle with water. If symptoms persist, seek medical attention or contact poisons control.
Eye Contact:	May cause irritation. Rinse with water 15 minutes. If symptoms persist, seek medical attention.
Skin Contact:	Prolonged contact may cause irritation to the skin. Wash skin with water.
Inhalation:	Prolonged exposure may cause slight irritation. Move exposed person to fresh air. Rinse mouth and nose with water. Seek medical attention if necessary.
EMERGENCY OVERVIEW	
Colour:	Clear
Odour:	Slight odour
Physical Description:	Liquid
Major Health Hazards:	None known

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS			
Ingredients:	**CAS Number:**	**Proportion:**	**PEL/TLV**
Ingredients determined not to be hazardous to 100%			

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SECTION 4 – FIRST AID MEASURES

Scheduled Poisons: Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).

First Aid Facilities: No first aid should be needed.

Inhalation: Inhalation is highly unlikely as product is not volatile. If it does occur, move victim to fresh air.

Skin Contact: No first aid should be needed.

Eye Contact: If product gets in eyes, wash material from them with running water for 15 minutes, ensuring eyelids are held open. If irritation persists, seek medical advice.

Ingestion: Wash out mouth with water. Remove dentures if present. Seek medical attention.

Advice to Doctor: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES	
Specific Hazards from Combustion Products:	Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds.
Extinguishing Media:	Small Fires - Use carbon dioxide (CO2), dry chemical or water spray. Water can be used to cool fire exposed containers. Large Fires - Use dry chemical, foam or water spray.
Special Protective Actions for Fire Fighters:	Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire-exposed containers cool. Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.
Flash point:	> 101.1°C

SECTION 6 – ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Remove or shut off all sources of ignition, if safe to do so. Product on the floor or stairs will be slippery. Wear appropriate personal protective equipment.
Environmental Precautions:	Avoid allowing run off to contaminate drains and waterways. If this appears to be likely, advise local EPA.
Clean up methods:	Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protective equipment recommendations described in this SDS. If spilled material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean-up of releases. You will need to determine which laws and regulations are applicable.
Waste Disposal:	Dispose of responsibly.

SECTION 7 – HANDLING AND STORAGE	
Handling:	Use with adequate ventilation. Avoid eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
Storage:	Use reasonable care and store away from oxidizing materials. Retain in tightly sealed original packaging.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION	
PERSONAL PROTECTION EQUIPMENT (PPE)	
Ventilation:	General ventilation recommended
Eye Protection: 	Not normally required
Skin Protection: 	Not normally required. Wash skin after use.
Protective Material Types:	Not normally required
Respirator: 	Not normally required

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES	
Physical Description and Colour:	Clear, almost colourless liquid
Odour:	Slight odour
Boiling Point:	> 65°C
Freezing / Melting Point:	Not available.
Vapour Pressure:	Not available
Vapour Density:	Not available
Specific Gravity @ 25°C:	0. 97
Water Solubility:	Insoluble
pH:	Not available
Flammable Limits:	Not available
Viscosity:	100 cSt
Evaporation Rate:	Not available

SECTION 10 – STABILITY AND REACTIVITY	
Chemical Stability:	Colourless
Conditions to Avoid:	None
Incompatibilities:	Oxidising agents
Hazardous Polymerisation:	Hazardous polymerization will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION
No known applicable information

SECTION 12 – ECOLOGICAL INFORMATION	
Air:	This product is a high molecular weight liquid polymer which has a very low vapour pressure (<1mm Hg). As a result, it is unlikely to become an atmospheric contaminant unless generated as an aerosol.
Water:	This product has a very low water solubility (<100 ppb). As it has a specific gravity of < 1, if discharged to water, it will initially form a surface film. As the product is non-volatile and as a high binding affinity for particulate matter, it will adsorb to articulates and sediment out.
Soil:	If discharged to surface water, this product will bind to sediment. If discharged in effluent to a waste water treatment plant, the product is removed from the aqueous phase by binding to sewage sludge. If the sewage sludge is subsequently spread on soil, the silicone product is expected to degrade.
Degradation:	This product, polydimethylsiloxane, degrades in soil abiotically to form smaller molecules. These in turn are either biodegraded in soil or volatilized into the air where they are broken down in the presence of sunlight. Under appropriate conditions, the ultimate degradation products are inorganic silica, carbon dioxide and water vapour. Due to the very low water solubility of this product, standard OECD protocols for ready and inherent biodegradability are not suitable for measuring the biodegradability of this product. The product is removed > 80% during the sewage treatment process

Toxicity to Water Organisms:	Based on analogy to similar materials this product is expected to exhibit low toxicity to aquatic organisms.
Toxicity to soil organisms:	Experiments show that when sewage sludge containing polydimethylsiloxane is added to soil, it has no effect on soil microorganisms, earthworms or subsequent crops grown in the soil.
Bioaccumulation:	This product is a liquid and is a high molecular weight polymer. Due to its physical size it is unable to pass through or be absorbed by biological membranes. This has been confirmed by testing or analogy with similar products
Fate and Effects in Waste Water Treatment Plants:	This product or similar products has been shown to be non-toxic to sewage sludge bacteria.

SECTION 13 – DISPOSAL CONSIDERATIONS

Any waste should be disposed of in accordance with local, state and federal regulations.

SECTION 14 – TRANSPORT INFORMATION

Shipping Name: WATERGUARD
Hazard Class: Not applicable
Packaging Group: None allocated

SECTION 15 – REGULATORY INFORMATION

Labeling Details	
GHS Classification	NON-HAZARDOUS
CERCLA RQ	Nil
VOC	Nil
SARA 311/312 (Hazard Class – 40 CFR 370.2)	Nil
SARA 313 (Hazard Class – 40 CFR 372.65)	Nil
SARA 313 (Extremely Hazardous Substances)	Nil

SECTION 16 – OTHER INFORMATION

This SDS contains only safety-related information. For other data see product literature

Date of Last Revision

AT160v3.1-15/12/18

Acronyms

CAS number	Chemical Abstracts Service Registry Number
CERCLA (RQ)	Comprehensive Environmental Response, Compensation, and Liability Act (Reportable Quantity)
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
PEL/TLV	Permissible Exposure Limit / Threshold Limit Value
VOC	Volatile Organic Compounds

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 MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document “Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice” (Feb 2016)

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END OF SDS