

Safety Data Sheet

1. IDENTIFICATION OF THE PRODUCT AND THE SUPPLIER

1.1 Product identifiers

Product name : AQUAGUARD SUBDUE

1.2 Other means of identification

None

1.3 Recommended use of the product and restrictions on use

Antifoaming agent for swimming pool & spa applications.

Details of supplier of the safety data sheet

Company : AGent Sales & Services Pty Ltd

Street address : 38 May Holman Drive, Bassendean, Western Australia 6054

Telephone : (+61 8) 6270 4500

Fax : (+61 8) 6270 4544

1.4 Emergency telephone number

Telephone : 1300 883 844

2. HAZARDS IDENTIFICATION

2.1 GHS Classification

NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

GHS Label elements, including precautionary statements

None

Signal word : None

Hazard statement(s) : None

Precautionary statement(s)

Prevention

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs, get medical advice/attention.

P363 Wash contaminated clothing before re-use.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

Storage

P403 + P233 Store in a well-ventilated place: Keep container tightly closed.

P410

Protect from sunlight.

Disposal

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

2.2 Other hazards

None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Classification	Concentration (%)
Polydimethylsiloxane	63148-62-9		10 - 30
Other non-hazardous ingredients	Various		< 10
Water	7732-18-5		To 100

For the full text of the H-Statements mentioned in this section, see Section 16

4. FIRST AID MEASURES

4.1 Description of First Aid measures

General advice

Contact the Poisons Information Centre (Phone: Australia 131 126; New Zealand 0800 764 766) or consult a doctor/physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

In case of skin contact

Wash affected area with soap and plenty of water. Remove contaminated clothing and shoes, and clean before re-use or discard. If irritation or rash occurs, seek medical attention.

In case of eye contact

Immediately flush eyes with plenty of water for 15 minutes, holding eyelids open. Take care not to rinse contaminated water into the non-affected eye. Remove contact lenses, if present and easy to do so. Continue rinsing. If irritation persists, seek medical attention.

If swallowed

Rinse mouth thoroughly with water immediately. Do NOT give anything to drink. Do not induce vomiting. Seek medical advice if effects persist.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in Section 2.2 and/or Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

4.4 First Aid facilities

Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Use extinguishing media appropriate to surrounding fire conditions.

5.2 Special hazards arising from the chemical

Combustible, following evaporation of the water. On thermal decomposition releases toxic gases (oxides of carbon) and silicon oxides.

5.3 Special protective equipment and precautions for fire fighters

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

5.4 Hazchem code

Not applicable

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Slippery when spilt. Ventilate area. Avoid inhalation, contact with skin, eyes and clothing.

For personal protection see Section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. If contamination of sewers or waterways has occurred, advise local emergency services. Observe all local and national regulations.

6.3 Methods and materials for containment and cleaning up

Slippery when spilt. Avoid accidents, clean up immediately. Bund area using sand or inert material (sand, vermiculite or other inert non-combustible material). Collect and seal in properly labelled containers for disposal. Wash non-recoverable remainder with large amounts of water. Recover the cleaning water for subsequent disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

For personal protection see Section 8.

Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Do not inhale product dust/fumes.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area and out of direct sunlight. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in Section 10.

This material is not classified as a Dangerous Goods by the criteria of the ADG.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters - Occupational Exposure Limits

No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC).

Biological Limits

None allocated for this product.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements

Personal protective equipment (PPE)

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods and environmental factors.

Eye/face protection

Safety glasses with side shields (AS/NZS 1336 & 1337).

Skin protection

Wear protective gloves (rubber or PVC), long-sleeved protective clothing and safety footwear appropriate for the risk of exposure (AS 2161 and AS/NZS 2210). Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use. Wash and dry hands.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a P1 or P2 particulate respirator when handling this product (AS/NZS 1715 & 1716).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off white emulsion
Odour:	Slight

Odour Threshold:	No data available
pH:	4 - 6
Freezing Point:	0°C
Boiling Point:	100°C
Decomposition Temperature:	> 150°C (after evaporation of water)
Evaporation Rate:	No data available
Flash Point:	Not applicable
Flammability Limits:	Not applicable
Specific Gravity:	0.99 ± 0.01 @25°C
Vapour Density (air=1):	No data available
Vapour Pressure:	No data available
% Volatiles:	No data available
Solubility in water:	Emulsifiable

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerisation not expected to occur.

10.4 Conditions to avoid

Frost, heat flames, ignition sources and incompatibles. Avoid exposure to direct sunlight.

10.5 Incompatible materials

Incompatible with strong oxidising or reducing agents. Materials or products which react with water.

10.6 Hazardous decomposition products

Hazardous decomposition products include oxides of carbon and silicon oxides.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

Skin – Rabbit

Result: Mild skin irritation 24h

Serious eye damage/eye irritation

Eyes – Rabbit

Result: Mild eye irritation 24h

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available.

Specific target organ toxicity (STOT) - single exposure

No data available.

Specific target organ toxicity (STOT) - repeated exposure

No data available

Aspiration hazard

No data available

Health Effects

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Eye contact : May cause irritation to the eyes with effects including tearing, pain, stinging and blurred vision.

Skin contact : May cause irritation to the skin with effects including redness and itchiness.

Ingestion : May cause irritation to mouth, throat and stomach with effects including pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

Inhalation : If sprayed or misted, may cause irritation to the nose, throat and respiratory system with effects including cough, discomfort, difficulty breathing and shortness of breath.

11.2 Information on possible routes of exposure

The substance can be absorbed into the body by ingestion, skin and/or eye contact and inhalation of spray or mist.

11.3 Additional Information

RTECS: Not available

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Avoid contaminating waterways.

Toxicity to fish:

No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Other adverse effects

Toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal methods and containers

Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

13.3 Special precautions for landfill or incineration

Contact a specialist disposal company or the local waste regulator for advice.

14. TRANSPORT INFORMATION

Not classified as a Dangerous Goods by the criteria of the ADG Code for transport by road or rail

Not classified as a Dangerous Goods by the criteria of the IMDG Code for transport by sea

Not classified as a Dangerous Goods by the criteria of the IATA Code for transport by air

14.1 UN number

ADG : Not assigned

IMDG : Not assigned

IATA : Not assigned

14.2 Proper shipping name

ADG : Not dangerous goods

IMDG : Not dangerous goods

IATA : Not dangerous goods

14.3 Transport hazard class

ADG : Not assigned

IMDG : Not assigned

IATA : Not assigned

14.4 Packing group	ADG : Not assigned	IMDG : Not assigned	IATA : Not assigned
14.5 Environmental hazards	ADG : No	IMDG Marine Pollutant : No	IATA : No
14.6 Special precautions for users	No data		
14.7 Hazchem code	ADG : Not assigned	IMDG EMS : Not assigned	
14.8 Dangerous goods initial emergency response guide (SAA/SNZ HB76:2010)	Not assigned		

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Not listed

Carcinogen classification under WHS Regulations 2011, Schedule 10

Not listed

Notification status

AICS On the inventory, or in compliance with the inventory.

16. OTHER INFORMATION

Key / legend to abbreviations and acronyms used in the MSDS

ADG	Australian Dangerous Goods
ASCC	Australian Safety and Compensation Council
DEC	Department of Environment and Conservation
GHS	Globally Harmonised System of Classification & Labelling of Chemicals
NOHSC	National Occupational Health and Safety Commission
RTECS	Registry of Toxic Effects of Chemical Substances.
SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons
TWA	Time weighted average
STEL	Short term exposure level
SWA	Safe Work Australia
Peak Limitations	A ceiling concentration that should not be exceeded over a measurement period, which should be as short as possible, but not exceeding 15 minutes
LD ₅₀	Lethal dose 50. The single dose of a substance that causes the death of 50% of an animal population from exposure to the substance by any route other than inhalation
TD Lo	The lowest dose of a substance known to have produced signs of toxicity
RTECS	Registry of Toxic Effects of Chemical Substances
g/L	Grams per litre
g/cm ³	Grams per cubic centimetre
mg/m ³	Milligrams per cubic metre
mg/kg	Milligrams per kilogram
pH	Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline
WHS	Work Health and Safety

Literature references

"Workplace Exposure Standards for Airborne Contaminants, December 2011" by SWA Work Health and Safety Regulations 2011

"Registry of Toxic Effects of Chemical Substances". Ed. D. Sweet, US Dept. of Health & Human Services: Cincinnati, 2012.

Reason(s) for Issue:

Revised primary SDS

Alignment to GHS requirements

Disclaimer

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