Safety Data Sheet
according to WHS Regulations

Printing date 08.09.2020 Version number 1 Revision: 12.04.2018

1 Identification

· **Product identifier**

· **Trade name: SpraySeal**

· **Article number:** DK055
· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Company: Omnia Specialities Australia Pty Ltd
Address: Tramway Road
MORWELL VIC 3840
Telephone Number: +61-3 5133 9118
Facsimile Number: +61-3 5133 9114

· **Further information obtainable from:** info@omnia.net.au
· **Emergency telephone number:**
ISS First Response
03 8796 3688

2 Hazard(s) Identification

· **Classification of the substance or mixture**

health hazard

Carc. 2	H351	Suspected of causing cancer.
Repr. 2	H361	Suspected of damaging fertility or the unborn child.

environment

Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.

Acute Tox. 4	H302	Harmful if swallowed.
Acute Tox. 4	H332	Harmful if inhaled.
Eye Irrit. 2A	H319	Causes serious eye irritation.
Skin Corr. 3	H316	Causes mild skin irritation.

· **Label elements**
· **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
· **Hazard pictograms**

GHS07 GHS08 GHS09

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· **Signal word** Warning

· **Hazard-determining components of labelling:**
Tebuconazole
Boric acid
· **Hazard statements**
Harmful if swallowed.
Harmful if inhaled.
Causes mild skin irritation.
Causes serious eye irritation.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
Toxic to aquatic life with long lasting effects.
· **Precautionary statements**
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition and Information on Ingredients

· **Chemical characterisation: Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 107534-96-3 ELINCS: 403-640-2	Tebuconazole Acute Tox. 3, H331 Carc. 2, H351; Repr. 2, H361 Aquatic Chronic 2, H411 Acute Tox. 4, H302 Eye Irrit. 2B, H320	25-50%
CAS: 57-55-6 EINECS: 200-338-0	Propylene glycol Skin Irrit. 2, H315; Eye Irrit. 2A, H319	2.5-10%
CAS: 56-81-5 EINECS: 200-289-5	Glycerine Acute Tox. 5, H303	2.5-10%
CAS: 10043-35-3 EINECS: 233-139-2	Boric acid Repr. 1B, H360FD Acute Tox. 4, H302; Acute Tox. 4, H332 Acute Tox. 5, H313	≤2.5%

· **SVHC**

10043-35-3	Boric acid

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.
· **Other hazards that do not result in classification** None

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4 First Aid Measures

· **Description of first aid measures**
· **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:** Immediately rinse with water.
· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:**
Call for a doctor immediately. Do not induce vomiting. Rinse mouth with water (only if person is conscious).
· **Information for doctor:** Treat supportive and symptomatically
· **Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire Fighting Measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
· **Advice for firefighters** As a liquid not flammable, but when dried by heat may emit poisonous gasses
· **Protective equipment:** Mouth respiratory protective device.

6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
· **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water. Should not be released into the environment.
· **Methods and material for containment and cleaning up:**
Uncontaminated spilled material may be reused
For small spills: Dike and absorb spill with sand or inert material (e.g. sawdust). Shovel into drums for disposal. Flush area with water. Note the floor will be slippery. For large spills: Contain liquid far ahead of spill. Contain spillage and contaminated water for subsequent disposal. Do not flush spilled material into drains. Keep spectators away.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
· **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

· **Handling:**
· **Precautions for safe handling**
Wear personal protective clothing
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.

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Prevent formation of aerosols.
· **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Observe the rules usually applicable when handling chemicals.
· **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store locked up
Store away from oxidising agents.
· **Further information about storage conditions:**
Keep separate from food and feed products.
Store out of the reach of children
Keep container tightly sealed in a dry well-ventilated place.
Protect from heat and direct sunlight.
· **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

· **Additional information about design of technical facilities:** Ensure adequate ventilation.

· **Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
· **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Protective work clothing

9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Suspension
Colour:	White
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **pH-value at 20 °C:**	7.5-9
· **Change in condition**	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	100 °C
· **Flash point:**	>93.4 °C
· **Flammability (solid, gas):**	Not applicable.
· **Ignition temperature:**	371 °C
· **Decomposition temperature:**	Not determined.
· **Auto-ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	Not determined.
Upper:	Not determined.
· **Vapour pressure at 20 °C:**	0 hPa
· **Density at 20 °C:**	1.1 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with**	
water:	Dispersible.
· **Partition coefficient: n-octanol/water:**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.
· **Solvent content:**	
Organic solvents:	<9.0 %
VOC (EC)	<6.00 %
Solids content:	>44.0 %
· **Other information**	No further relevant information available.

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10 Stability and Reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** Incompatibles and extreme temperatures
· **Incompatible materials:** Strong oxidizing agents
· **Hazardous decomposition products:**
Carbon monoxide
Nitrogen oxides (NOx)
Sulphur oxides (SOx)
Carbon dioxide

11 Toxicological Information

· **Information on toxicological effects**
· **Acute toxicity**

· **LD/LC50 values relevant for classification:**		
107534-96-3 Tebuconazole		
Oral	LD50	625 mg/kg (Dog)
		625 mg/kg (Sheep)
		1,615 mg/kg (mouse)
		>5,000 mg/kg (rat)
		>1,000 mg/kg (rabbit)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalative	LC50 4 h	0.82 mg/l (rat)
	Occupational Exposure Limit	0.2 mg/m³ (Worker)

· **Primary irritant effect:**
· **Skin corrosion/irritation** Slightly irritating
· **Serious eye damage/irritation** Slighly irritating
· **Respiratory or skin sensitisation** No sensitising effects known.
· **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Harmful
Carcinogenic.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
Carc. 2, Repr. 2

12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:**	
107534-96-3 Tebuconazole	
EC50 48 h	4 mg/l (Daphnia magnus)
EC50 96 hr (static)	1.45 mg/L (Algae)
EC50 120 hr	0.15 mg/L (Lemna minor (common duckweed))
LC50 96 hours (dynamic)	5.7 mg/L (Lepomis cyanellus (Green Sunfish))
	4.4 mg/L (Oncorhynchus mykiss (rainbow trout))
	5.9 mg/L (Pimephales promelas (Fathead Minnow))

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· **Persistence and degradability** Not easily biodegradable
· **Behaviour in environmental systems:**
· **Bioaccumulative potential** Not likely to bioaccumulate.
· **Mobility in soil** Moderately mobile
· **Ecotoxical effects:**
· **Remark:** Very toxic for fish
· **Additional ecological information:**
· **General notes:**
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation**
Contain material in dyke and pump into container for reuse. If contaminated, absorp on absorption material, put material into bins for disposal.
Hand over to hazardous waste disposers.
Disposal according to local regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**	
· **ADG, IMDG, IATA**	UN2810
· **UN proper shipping name**	
· **ADG**	TOXIC LIQUID, ORGANIC, N.O.S. (Tebuconazole, Boric acid), ENVIRONMENTALLY HAZARDOUS
· **IMDG**	TOXIC LIQUID, ORGANIC, N.O.S. (Tebuconazole, Boric acid), MARINE POLLUTANT
· **IATA**	TOXIC LIQUID, ORGANIC, N.O.S. (Tebuconazole, Boric acid)
· **Transport hazard class(es)**	
· **ADG, IMDG**	
· **Class**	6.1 Toxic substances.

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· **Label**	6.1
· **IATA**	
	
· **Class**	6.1 Toxic substances.
· **Label**	6.1
· **Packing group**	
· **ADG, IMDG, IATA**	II
· **Environmental hazards:**	Product contains environmentally hazardous substances: Tebuconazole
· **Marine pollutant:**	Symbol (fish and tree)
· **Special marking (ADG):**	Symbol (fish and tree)
· **Special precautions for user**	Warning: Toxic substances.
· **Hazard identification number (Kemler code):**	60
· **EMS Number:**	F-A,S-A
· **Stowage Category**	B
· **Stowage Code**	SW2 Clear of living quarters.
· **ERG No.**	None
· **Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **Transport/Additional information:**	
· **ADG**	
· **Limited quantities (LQ)**	100 ml
· **Excepted quantities (EQ)**	Code: E4 Maximum net quantity per inner packaging: 1 ml Maximum net quantity per outer packaging: 500 ml
· **Transport category**	2
· **Tunnel restriction code**	D/E
· **IMDG**	
· **Limited quantities (LQ)**	100 ml
· **Excepted quantities (EQ)**	Code: E4 Maximum net quantity per inner packaging: 1 ml Maximum net quantity per outer packaging: 500 ml
· **UN "Model Regulation":**	UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (TEBUCONAZOLE, BORIC ACID), 6.1, II, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Chemical Substances**	
57-55-6	Propylene glycol
56-81-5	Glycerine
10043-35-3	Boric acid

· **Standard for the Uniform Scheduling of Medicines and Poisons**		
107534-96-3	Tebuconazole	S5
10043-35-3	Boric acid	S5

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· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
· **Hazard pictograms**

GHS07 GHS08 GHS09

· **Signal word** Warning

· **Hazard-determining components of labelling:**
Tebuconazole
Boric acid
· **Hazard statements**
Harmful if swallowed.
Harmful if inhaled.
Causes mild skin irritation.
Causes serious eye irritation.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
Toxic to aquatic life with long lasting effects.
· **Precautionary statements**
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category** E1 Hazardous to the Aquatic Environment
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **National regulations:**

· **Information about limitation of use:**
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.
Exceptions can be made by the authorities in certain cases.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

10043-35-3	Boric acid

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H302 Harmful if swallowed.

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H303 May be harmful if swallowed.
H313 May be harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H320 Causes eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H351 Suspected of causing cancer.
H360FD May damage fertility. May damage the unborn child.
H361 Suspected of damaging fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects.

· **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity - oral – Category 4
Acute Tox. 5: Acute toxicity - oral – Category 5
Acute Tox. 3: Acute toxicity - inhalation – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Skin Corr. 3: Skin corrosion/irritation – Category 3
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
Carc. 2: Carcinogenicity – Category 2
Repr. 1B: Reproductive toxicity – Category 1B
Repr. 2: Reproductive toxicity – Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2