Safety Data Sheet
according to GHS version 7

Printing date 12.05.2023 *Version number 1* *Revision: 12.05.2023*

*
1 Identification

· **Product identifier**

· **Trade name: Sprayseal**

· **Article number:** DK0552
· **Relevant identified uses of the substance or mixture and uses advised against** Fungicide
· **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
+61 3 8796 3688

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2 Hazard(s) Identification

· **Classification of the substance or mixture**

health hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

environment

Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 5 H333 May be harmful if inhaled.

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

GHS07 GHS08 GHS09

· **Signal word** Warning

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· **Hazard-determining components of labelling:**
1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol
· **Hazard statements**
H302 Harmful if swallowed.
H333 May be harmful if inhaled.
H361 Suspected of damaging fertility or the unborn child.
H410 Very 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 carefully and follow all instructions.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF SWALLOWED: Call a doctor if you feel unwell.
Rinse mouth.
IF INHALED: Call a doctor if you feel unwell.
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.

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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	1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol Repr. 2, H361 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute Tox. 4, H302	>25-45%
CAS: 57-55-6 EINECS: 200-338-0	Propylene glycol Acute Tox. 5, H333	5-10%
CAS: 56-81-5 EINECS: 200-289-5	GLYCERINE	>1-<5%

· **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:**
When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
· **After inhalation:**
Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
Call a physician or poison control center immediately.
· **After skin contact:**
Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes.
Call a physician or poison control center immediately
· **After eye contact:**
Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
Call a physician or poison control center immediately.

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· ***After swallowing:***
Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.
· ***Information for doctor:***
Treat supportive and symptomatically
This product contains a component or components that may affect reproductivity or the unborn child. Refer to section 3 for component(s) and quantitie(s).
· ***Indication of any immediate medical attention and special treatment needed***
No further relevant information available.

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5 Fire Fighting Measures

· ***Extinguishing media***
· ***Suitable extinguishing agents:*** *Water spray, Carbon dioxide (CO2), Foam, Sand*
· ***For safety reasons unsuitable extinguishing agents:*** *High volume water jet*
· ***Special hazards arising from the substance or mixture***
In case of fire, the following can be released:
Hydrogen chloride (HCl)
Carbon monoxide (CO)
Hydrogen cyanide (HCN)
Nitrogen oxides (NOx)
· ***Advice for firefighters***
If tank, rail car or tank truck is involved in fire, isolate for 800 m in all directions and consider evacuation for 800 meters in all directions.
Small Fire
• Dry chemical, CO2, water spray or regular foam.
Large Fire
• Water spray, fog or regular foam.
• Do not scatter spilled material with high-pressure water streams.
• If it can be done safely, move undamaged containers away from the area around the fire.
• Dike runoff from fire control for later disposal.
Fire Involving Tanks
• Cool containers with flooding quantities of water until well after fire is out.
• Withdraw immediately in case of rising sound from
As a liquid not flammable, but when dried by heat may emit poisonous gasses
· ***Protective equipment:***
In the event of fire and/or explosion do not breathe fumes. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

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6 Accidental Release Measures

· ***Personal precautions, protective equipment and emergency procedures***
Isolate spill or leak in all directions for at least 50 meters if there is no fire. If there is a fire, refer to section 5.
Increase the immediate precautionary measure distance, in the downwind direction, as necessary.
Wear protective equipment and avoid contact with spilled product or contaminated surfaces.
· ***Environmental precautions:***
Do not allow to enter sewers/ surface or ground water. Should not be released into the environment.
Inform respective authorities in case of seepage into water course or sewage system.
· ***Methods and material for containment and cleaning up:***
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.
· ***Reference to other sections***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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7 Handling and Storage

· **Handling:**
· **Precautions for safe handling**
Wear personal protective clothing according to section 8
Ensure good ventilation/exhaustion at the workplace.
Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.
Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing
· **Information about fire - and explosion protection:**
Protect from heat.
Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store locked up if possible and out of reach of children.
Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Keep away from direct sunlight.
· **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidising agents.
Store away from acids
· **Further information about storage conditions:** *None*
· **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:**	
107534-96-3 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol	
OES BCS	*0.2 mg/m3 is control parameter for producer*
56-81-5 GLYCERINE	
WES	*Long-term value: 10 mg/m³*

· **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.
· **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:**
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

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· **Material of gloves**
Chemical-resistant gloves (barrier laminate, butyl rubber, nitrile rubber or Viton)
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.
· **Eye protection:** Safety glasses.
· **Body protection:** Protective work clothing

*
9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	gel
Colour:	Light yellow
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
· **Flammability (solid, gas):**	Not applicable.
· **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:**	Not determined.
· **Density:**	Not determined.
· **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:	8.6 %
VOC (EC)	6.04 %
· **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:** May decompose on heating
· **Possibility of hazardous reactions** Reaction with heat or incompatibles may release poisonous fumes
· **Conditions to avoid** Incompatibles and extreme temperatures
· **Incompatible materials:** Alkalies, acids and oxidizers
· **Hazardous decomposition products:**
Hydrogen chloride (HCl)
Hydrogen cyanide (prussic acid)
Carbon monoxide
Nitrogen oxides (NOx)

*
11 Toxicological Information

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

· **LD/LC50 values relevant for classification:**		
107534-96-3 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol		
Oral	LD50	500 mg/kg (ATE)

· **Primary irritant effect:**
· **Serious eye damage/irritation** No irritating effect.
· **Respiratory or skin sensitisation** No sensitising effects known.
· **Additional toxicological information:**
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
Repr. 2

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12 Ecological Information

· **Toxicity**
· **Aquatic toxicity:**
Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.
Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.
Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites.
Apply this product as specified on the label
· **Persistence and degradability**
Not easily biodegradable

107534-96-3 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol	
Bioconcentration factor	35-59 BCF (-)

· **Behaviour in environmental systems:**
· **Bioaccumulative potential** Not likely to bioaccumulate.

· **Mobility in soil**	
107534-96-3 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol	
Koc	769 (-)
Mobility in soil	(-) Slightly mobile in soil

· **Ecotoxical effects:**
· **Remark:** Very toxic for fish

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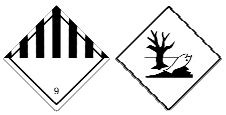
· **Additional ecological information:**
· **General notes:**
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small 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**
Disposal according to local/ official/ national regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**
· **Recommendation:**
Do not re-use empty containers.
Triple rinse containers.
Add washings to sprayer at time of filling.
Consult state and local regulations regarding the proper disposal of container.
Follow advice on product label and/or leaflet.

*
14 Transport information

· **UN-Number**	
· **ADG, IMDG, IATA**	UN3082
· **UN proper shipping name**	
· **ADG**	UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol)
· **IMDG**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol), MARINE POLLUTANT
· **IATA**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol)
· **Transport hazard class(es)**	
· **ADG**	
· **Class**	9 (M6) Miscellaneous dangerous substances and articles.

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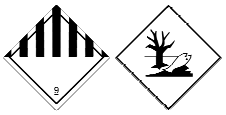
· **Label**	9
· **IMDG, IATA**	
· **Class**	9 Miscellaneous dangerous substances and articles.
· **Label**	9
· **Packing group**	
· **ADG, IMDG, IATA**	III
· **Environmental hazards:**	Product contains environmentally hazardous substances: 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol
· **Marine pollutant:**	Symbol (fish and tree)
· **Special marking (ADG):**	Symbol (fish and tree)
· **Special marking (IATA):**	Symbol (fish and tree)
· **Special precautions for user**	Warning: Miscellaneous dangerous substances and articles.
· **Hazard identification number (Kemler code):**	90
· **EMS Number:**	F-A,S-F
· **Stowage Category**	A
· **ERG No.**	171
· **Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **Transport/Additional information:**	3.3.3AUSTRALIAN SPECIAL PROVISIONS The Special Provisions in this Section 3.3.3 are peculiar to this Code and are therefore not applicable to international transport, or to air or sea transport within Australia. SP No. AU01Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in; (a)packagings that do not incorporate a receptacle exceeding 500 kg(L); or (b)IBCs.
· **ADG**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **Transport category**	3
· **Tunnel restriction code**	(-)
· **IMDG**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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· ***UN "Model Regulation":*** *UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(4-CHLOROPHENYL)-4,4-DIMETHYL-3-(1,2,4-TRIAZOL-1-YLMETHYL)PENTAN-3-OL), 9, III*

*
15 Regulatory information

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

· ***Australian Inventory of Industrial Chemicals***	
56-81-5	*GLYCERINE*
11138-66-2	*XANTHAN GUM*

· ***Standard for the Uniform Scheduling of Medicines and Poisons***		
107534-96-3	*1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol*	*S5*

· ***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:***
1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol
· ***Hazard statements***
H302 Harmful if swallowed.
H333 May be harmful if inhaled.
H361 Suspected of damaging fertility or the unborn child.
H410 Very 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 carefully and follow all instructions.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF SWALLOWED: Call a doctor if you feel unwell.
Rinse mouth.
IF INHALED: Call a doctor if you feel unwell.
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*
· ***Chemical safety assessment:*** *A Chemical Safety Assessment has not been carried out.*

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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.
H333 May be harmful if inhaled.
H361 Suspected of damaging fertility or the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
· ***Contact:***
· ***Abbreviations and acronyms:***
ADR: Accord relatif au transport international 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
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 5: Acute toxicity – Category 5
Repr. 2: Reproductive toxicity – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
· **** Data compared to the previous version altered.***