



MATERIAL SAFETY DATA SHEET

Non – Hazardous according to criteria of NOHSC Australia.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: SEARLES ROSE PRO BLACK SPOT & INSECT KILLER

Use: Controls various insects and fungal diseases on roses and ornamentals.

Supplier: J.C. & A.T. Searle Pty Ltd
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2. COMPOSITION INFORMATION

Appearance: Milky liquid

CHEMICAL	ENTITY CAS NO.	PROPORTION
Tau-fluvalinate	102851-06-9	0.1 g/L
Myclobutanil	88671-89-0	0.05 g/L
Inerts	-	>5%
Water	7732-18-5	to 100%
		100%

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

3. HAZARDS IDENTIFICATION

Not classified as hazardous according to criteria of Worksafe Australia.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

Poisons Schedule (Aust)/Toxic Substance (NZ): S5 Caution

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

4. FIRST AID MEASURES

Poison Information Centres in each State capital city can provide additional assistance (13 1126).

Ingestion: Rinse mouth with water. Give a glass of water. If swallowed DO NOT induce vomiting. Seek medical advice.

Eye contact: Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Skin contact: Immediately wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice.

Inhalation: Remove victim from exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Notes to physician: Treat symptomatically and as for exposure to hydrocarbon solvents. Aspiration can result in pulmonary oedema.

5. FIRE-FIGHTING MEASURES

Specific hazards: Non combustible liquid.

Fire fighting further advice: Non combustible liquid. However after evaporation of water may liberate toxic fumes. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Suitable extinguishing media: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

Wear protective equipment to prevent skin and eye contamination. Contain spill with inert absorbent (like vermiculite or sand). Collect and seal in properly labeled drums for disposal. Wash area down with detergent and excess water. If contamination of crops or waterways has occurred advise emergency services or State Department of Agriculture.

7. HANDLING AND STORAGE

Storage: Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Store in a locked room or place away from children, animals, food and feedstuffs. Keep container closed at all times – check regularly for leaks.

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits

No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia).

Engineering measures: Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Personal protection equipment: OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES (S).

Avoid skin and eye contact and inhalation of mist. Wear overalls, safety glasses and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. If risk of inhalation of mist exists wear combined organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Liquid milky with mild odour.

Solubility: Disperable in water.

Specific Gravity (20 C)	: 1.01-1.02	Melting Point (C)	: 0 aprox.
Rel Vapour Density (air=1)	: N Av	Boiling Point (C)	: 100 approx.
Vapour Pressure (20 C)	: N Av	Decomp. Point (C)	: N App
Flash Point (C)	: N App	Sublimation Point	: N App
Flammability Limits (%)	: N App	pH	: N Av
Autoignition Temp (C)	: N App	Viscosity	: N Av
% Volatile by volume	: N App	Evaporation Rate	: N Av
Solubility in water(17 C)	: Miscible		

(Typical values only - consult specification sheet)

N Av = Not available

N App = Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

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

Ingestion: Swallowing may result in nausea, vomiting and abdominal pain.

Eye contact: May be an eye irritant.

Skin contact: Contact with skin may result in irritation.

Inhalation: Mist may be irritating to the respiratory tract.

Long Term Effects: No data available for product.

Acute toxicity / Chronic toxicity

No LD50 data available for product. The components in the proportions present are not considered to represent a hazard under conditions of good occupational work practice.

For the active tau-fluvalinate:

Oral LD50 (rat): 261-282 mg/kg
Dermal LD50 (rabbit): >2000 mg/kg

For the active myclobutanil:

Oral LD50 (rat): 1870-2090 mg/kg
Dermal LD50 (rabbit): >5000 mg/kg

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

For tau-fluvalinate;

AQUATIC TOXICITY:

Very toxic to aquatic organisms
48 hr LC50 (daphnia magna): 0.001 mg/L
96 hr LC50 (rainbow trout): 0.0027 mg/L

13. DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority. Normally suitable for disposal at approved land waste site.

14. TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

15. REGULATORY INFORMATION

Not classified as hazardous according to criteria of Worksafe Australia.

Poisons Schedule (Aust)/Toxic Substance (NZ): S5 Caution

This product is registered by the Australian Pesticides and Veterinary Authority (APVMA)

16. OTHER INFORMATION

REFERENCES:

1. In "The Pesticide Manual" 13th Edition. Ed. CDS Tomlin. British Crop Protection Council, 2003.

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

CONTACT POINTS:

ORGANIZATION	LOCATION	TELEPHONE	ASK FOR
J.C. & A.T. Searle Pty Ltd	Kilcoy	(07) 5497 2022	Technical Officer
Poisons Information Centre	Brisbane QLD	13 11 26	

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