

SAFETY DATA SHEET

SEVIN® FLO Insecticide

Date of Issue: 30th September 2024

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s):	Carbaryl
Recommended use:	Broad spectrum insecticide
Supplier:	UPL New Zealand Limited PO Box 51584, Pakuranga Auckland Phone 0800 100 325 www.upl-ltd/com.nz
Emergency telephone number:	0800 CHEM CALL (0800 243 622) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification:



Signal Word: DANGER

Required identification Details:

GHS Classification and Category	Hazard Code	Hazard Statement
Acute toxicity, oral Cat 3	H301	Toxic if swallowed.
Sensitisation, skin Cat 1	H317	May cause an allergic skin reaction.
Suspected of causing cancer, Cat 2	H351	Suspected of causing cancer.
Specific target organ toxicity - repeated exposure Cat. 2	H373	May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment – Acute Hazard, Cat 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment – Chronic Hazard, Cat 1	H410	Very toxic to aquatic life with long lasting effects.
Hazardous to soil organisms.		
Hazardous to terrestrial invertebrates.		
Hazardous to terrestrial vertebrates.		

PRECAUTIONARY STATEMENTS

Any person purchasing, handling or disposing of this product must be suitably qualified.

Records of use must be kept.

PREVENTION

P102 - Keep out of reach of Children.

P103 - Read label carefully before use.

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P264 - Wash hands thoroughly after handling.

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

P261 - Do not breathe spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves and clothing.

Do not apply directly into or onto water.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Restricted Re-entry Interval:

The REI for **SEVIN FLO** is 12 hours after application. The person in charge of the application area is responsible for making sure that no person re-enters the treated area until the end of the REI. A person may re-enter the treated area before the end of the REI if full PPE and RPE is worn as if that person is applying the substance.

Spray Drift: The person applying this substance must not cause adverse effects beyond the boundary of the treated property and must also avoid adverse effects from spray drift occurring. Mitigation measures employed must be recorded as part of the application records (i.e. in spray diaries).

RESPONSE

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER. Rinse mouth.

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

P333+P313 - If skin irritation or rash occurs: Get medical advice.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P308 + P313 - IF exposed or concerned: Get medical advice.

P314 - Get medical advice if you feel unwell.

P391 - Collect spillage.

STORAGE

P405 - Store locked up.

DISPOSAL

P501 - Dispose of contents/container in accordance with local regulations.

Container disposal: Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery® (0800 247 326, www.agrecovery.co.nz). Otherwise crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose.

Product disposal: Dispose of this product only by using according to the label, or at an approved landfill or other approved facility. Avoid contamination of any water supply with product or empty container.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Carbaryl	63-25-2	44.0

4. FIRST-AID MEASURES

Description of necessary first aid measures:

Effects and symptoms

First-aid measures

Inhalation:

Move person to fresh air without exposing yourself and keep at rest until recovered. If there is a breathing problem give oxygen. Apply artificial respiration if necessary.

Ingestion:

Wash out mouth with water. Induce vomiting if patient is fully conscious, time since ingestion is less than 30 minutes and medical aid is not readily available (vomit should not get into respiratory tract). Keep body calm, protected against loss of heat. Seek medical advice immediately.

Skin contact:

If skin contact occurs, remove contaminated clothing and wash affected areas thoroughly with soap and water. If symptoms persist, call a doctor.

Eye contact:

If product gets in eyes wash it out immediately with water, also under the eyelids, for at least 15 minutes and consult a doctor.

Notes to a physician:

This product contains an anticholinesterase compound. Do not use if under medical advice not to work with such compounds. In case of accident of it you feel unwell, seek medical advice immediately.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Water spray or fog. Foam. Carbon dioxide. Dry powder.

Hazardous thermal (de)composition products:

The product itself does not burn. In the event of fire, the following can be released:

HAZCHEM Code:

Carbon monoxide (CO); Nitrogen oxides (NOx).

Protection of fire-fighters:

3Z

When fighting a major fire wear an air-supplied respirator.

Wear protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and overalls.

Environmental precautions:

Washings must be prevented from entering surface water drains or waterways.

Methods for cleaning up:

Do not discharge into drains/surface water/ground water. Keep all bystanders away. Wear goggles, half face-piece respirator with combined dust and vapour cartridge, full length and PVC gloves. Contaminated material must be disposed of in accordance with all local authority requirements.

- For quantities up to 50L of product, bury in a secure approved landfill site.
- For quantities greater than 50L seek advice from the manufacturer (use emergency contact number) before attempting disposal.

Contain in a secure location until disposal method is established.

Decontaminate the spill area with detergent and water and rinse with the smallest volume of water available.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin and eyes and inhalation of concentrate or spray mist. When using, do not eat or drink or smoke. Wash face and hands before eating, drinking and smoking.

Storage:	Store in a cool, dry, well-ventilated place and protect from sunlight.
Packaging materials:	Store in original container. Tightly closed, away from foodstuff, drink and animal feedstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Exposure Standards: None established

Engineering measures

Exposure control measures: No specific facilities required. Standard emergency equipment must be available.

Detail specifications for equipment:

Respiratory system:

Where insufficient ventilation, use suitable respiratory protection.

Skin and body:

Body protection (chemical protection suit, boots) must be chosen depending on activity and possible exposure.

Hands:

Wear suitable gloves resistant to chemical penetration e.g. nitrile rubber gloves with a minimum thickness of 0.4 mm.

Eyes:

Chemical goggles/face protection..

General hygiene:

Avoid inhaling aerosols and vapours. Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hands before breaks and after work. Change contaminated protective clothing. Keep away from food, drinks and tobacco..

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour, etc.):	White opaque liquid.
Odour:	Not available.
Odour threshold:	NA
pH:	5.2 – 6.1 (determined as a 1% suspension in distilled water)
Melting point/freezing point:	Freezing -4°C.
Initial boiling point and boiling range:	> 100°C
Flash point:	Not available.
Flammability (solid, gas):	Not flammable.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	1.09 g/mL
Solubility(ies):	Completely miscible.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition temperature:	530°C
Decomposition temperature:	Not available.
Kinematic viscosity:	Not available.
Particle characteristics:	NA

10. STABILITY AND REACTIVITY

Stability:	Stable under standard conditions.
Conditions to avoid:	None.
Materials to avoid:	
Hazardous Decomposition Products:	Not available.
Hazardous polymerization:	No hazardous reactions when stored and handled according to the label.

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral:	LD ₅₀ > 358 mg/kg (Rats)
Acute toxicity - Dermal:	LD ₅₀ > 2,200mg/kg (Rabbits)
Acute toxicity – Inhalation:	>1.8 mg/L (Rat 4h)
Skin irritation:	Not classified.
Eye irritation:	Non-irritant (rabbits).
Respiratory or Skin Sensitization:	Classified as a skin sensitizer.
Reproduction toxicity:	Unknown
Germ Cell Mutagenicity:	Unknown
Carcinogenicity:	Suspected of causing cancer.
Aspiration Hazard:	
Specific Target Organ Toxicity (STOT) – single exposure	
Specific Target Organ Toxicity (STOT) – repeated exposure	May cause damage to organs through prolonged or repeat exposure.

12. ECOLOGICAL INFORMATION

Ecology – general:	Do not allow to enter waterways.
Hazardous to the aquatic environment, short-term (acute):	Very toxic to aquatic life. Fish: LC ₅₀ 1.4 mg/L (Rainbow trout) Toxicity for daphnia: EC ₅₀ (48 h) > 0.013 mg/L (Water flea) Toxicity to algae: IC ₅₀ (96 h) 1.8 mg/L (Selenastrum capricornutum)
Classification procedure - Hazardous to the aquatic environment, short-term (acute):	
Hazardous to the aquatic environment, long-term (chronic):	Very toxic to aquatic life with long lasting effects.
Classification procedure - Hazardous to the aquatic environment, long-term (chronic):	
Toxicity for terrestrial species:	Hazardous to terrestrial vertebrates. Hazardous to terrestrial invertebrates.
Persistence and degradability:	Not determined
Bioaccumulative potential:	Not bioaccumulative.
Partition coefficient n-octanol/water (Log Kow):	
Mobility in soil:	
Ozone:	
Other adverse effects:	
E.E.L	Not established
T.E.L	Not established

13. DISPOSAL CONSIDERATIONS

Methods of disposal:	Triple rinse container and add recycle through the Agrecovery Programme. If this is not possible, bury in landfill.
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Empty container precautions: Avoid contamination of any water supply with chemical or empty container.

14. TRANSPORT INFORMATION - International transport regulations

UN number: 2992
Class or Division: Class 6
Subsidiary Class: Class 9
Packing Group: III
Marine Pollutant: Yes
Proper shipping name: CARBAMATE PESTICIDE, LIQUID, TOXIC

**INTERNATIONAL AIR
TRANSPORT ASSOCIATION
(IATA):** UN2992

15. REGULATORY INFORMATION

ACVM Registered Number: P004042
HSNO Approval Code: HSR000680

16. OTHER INFORMATION

Additional information: **Original Issue Date:** 2 July 2018
Revision Date: 30 September 2024
Replaces: ES527

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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