

SAFETY DATA SHEET

SEVIN FLO

Date of Issue: 16th July 2019

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

Emergency telephone number: 0800 Poison (0800 764 766) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: 6.1C, 6.5B, 6.7B, 6.9B, 9.1A, 9.2A, 9.3B, 9.4A



Required identification Details:

Signal Word: DANGER

Toxic if swallowed.
May cause an allergic skin reaction.
Suspected of causing cancer.
May cause organ damage from repeated oral exposure at high doses.
Very toxic to fish with long lasting effects.
Very toxic to the soil environment.
Toxic to terrestrial invertebrates.
Very toxic to terrestrial invertebrates.

Keep out of reach of Children.
Read label before use.
Do not breathe fumes, vapours or spray mist.
Avoid release to the environment.
If medical advice is needed, have product container or label at hand.
Get medical advice/attention if you feel unwell
Collect spillage.
Must not be applied directly into or onto water.
Toxic to bees – spray must not contact plants in flower if they are likely to be visited by bees.

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. 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:

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

HAZCHEM Code:

3Z

Protection of fire-fighters:

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.

Personal Protective Equipment

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

Physical State: Colour, Odour.	White opaque liquid.
pH:	5.2 – 6.1 (determined as a 1% suspension in distilled water)
Vapour Pressure:	Not available.
Boiling Point:	> 100°C
Freezing/melting point:	Freezing -4°C.
Solubility:	Completely miscible.
Density:	1.09 g/mL.
Information for flammable material:	Not flammable.
Viscosity:	Not available.
Octanol/water partition coefficient:	Not available.
Other Data:	Auto ignition temperature: 530°C

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral :	> 358 mg/kg (Rats)
Acute toxicity - Dermal:	> 2,200mg/kg (Rabbits)
Acute toxicity – Inhalation:	> 1.8 mg/L (Rat 4h)
Skin irritation:	Non-irritant (rabbits).
Eye irritation:	Non-irritant (rabbits).
Sensitization:	Non-sensitising (Buehler test).
Chronic toxicity	Mutagenicity: Unknown Carcinogenicity: Unknown Reproductive toxicity: Unknown
Other information:	May cause damage to organs through prolonged or repeat exposure.

12. ECOLOGICAL INFORMATION

Acute fish toxicity:	LC50 1.4 mg/L (Rainbow trout)
Toxicity for daphnia:	EC50 (48 h) > 0.013 mg/L (Water flea)
Toxicity to algae:	IC50 (96 h) 1.8 mg/L (<i>Selenastrum capricornutum</i>)
Precautions:	Do not allow to enter waterways.
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.



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

15. REGULATORY INFORMATION

ACVM Registered Number: P004042
HSNO Approval Code: HSR000680

16. OTHER INFORMATION

Additional information: **Original Issue Date:** 2.07.2018
Revision Date: 16.07.2019
Replaces: ES477

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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