

MOVENTO® 100SCDate of Issue: 30th September 2015

Date of Previous Issue: 13th September 2012

1. Identification of the Substance/Mixture and Supplier.

Product name:	Movento 100SC
Application:	A systemic insecticide for the control of armoured scales in kiwifruit, apple leaf curling midge and armoured scales in apples.
EPA approval:	Transferred under scheduled toxic substances.
Company:	Bayer New Zealand Limited, 3 Argus Place, Hillcrest, North Shore 0627, New Zealand.
Telephone:	0800 428 246
Facsimile:	09 441 8645
Emergency telephone:	0800 734 607 Orica SH&E Shared services (24hr)

2. Hazards Identification.

Hazard classification:	Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Classification and type:	HSNO Class* 6.5B, 6.8B, 9.1C Harmful – may cause sensitisation from prolonged skin contact. Harmful – may cause reproductive/development damage from repeated oral exposure. Harmful to aquatic life with long-lasting effects. Avoid contamination of any water supply with product or empty container.
Risk & Safety Phrases:	R36, R43, R51

3. Composition/Information on Ingredients.**Hazardous Components**

Chemical Name	CAS No.	Conc (%)
Spirotetramat	203313-25-1	9.30
Alkylarylpolyglycol ether	104376-75-2	>1.00 - <25.00
Glycerine	56-81-5 200-289-5	>1.00

MOVENTO® 100SCDate of Issue: 30th September 2015

Date of Previous Issue: 13th September 2012

4. First Aid Measures.

General information:	Move out of dangerous area. If the patient is likely to become unconscious, place and transport in stable sideways position. Remove contaminated clothing and shoes must be removed immediately.
Skin contact:	After contact with skin, wash immediately with plenty of water and soap.
Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion:	Do not induce vomiting. Wash out mouth and water. Call a doctor immediately.
Treatment:	Elementary aid, decontamination and symptomatic treatment.
Further information:	Contact the National Poisons and Hazardous Chemicals Information centre in Dunedin, PO Box 913, Dunedin. Phone 0800 764 766, 0800 POISON.

5. Fire-Fighting Measures.

Specific hazards during fire fighting:	In the event of fire the following can be released: Nitrous gases (NO _x) Hydrogen cyanide (hydrocyanic acid) Carbon monoxide (CO)
Extinguishing media and methods:	Water spray, Carbon dioxide (CO ₂) Foam Sand
Recommended protective clothing:	Fire fighters must wear self contained breathing apparatus.
Further information:	Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by bunding area with sand or earth.

MOVENTO[®] 100SCDate of Issue: 30th September 2015

Date of Previous Issue: 13th September 2012

6. Accidental Release Measures.

	Emergency Procedures:
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.
Procedure for spill:	<p>Keep all bystanders away. Wear goggles, half face-piece respirator with combined dust and vapour cartridge, full length clothing and PVC gloves.</p> <p>Contaminated material must be disposed of in accordance with all local authority requirements.</p> <ol style="list-style-type: none"> 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. <p>Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.</p>
Procedure for Disposal:	<ol style="list-style-type: none"> Triple rinsing or preferably pressure rinsing containers with water. Add the rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site. Take to an Agrecovery collection site. Product or unused spray mix should be disposed of according to label instructions.

7. Handling and Storage.

Handling:	Use only in area provided with appropriate exhaust ventilation.
Storage:	Store in a place accessible by authorized persons only. Keep containers tightly closed in a cool, well-ventilated place. Protect against frost. Do not store at temperatures below - 10°C. Storage temperature <50°C.

MOVENTO® 100SCDate of Issue: 30th September 2015

Date of Previous Issue: 13th September 2012

8. Exposure Control/Personal Protection

Exposure Controls:	Spirotetramat 2.8mg/m ³ (TWA)
Engineering measures:	Use in well ventilated areas.
Respiratory protection:	Where insufficient ventilation, use suitable respiratory protection.
Hand protection:	PVC or other plastic material gloves.
Eye protection:	Safety glasses with side-shields.
Other protective equipment:	Wear suitable protective clothing.
Hygiene measures:	Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hand before breaks and at the end of work. Change contaminated protective clothing. Keep away from food, drinks and tobacco.

9. Physical and Chemical Properties

Appearance	
Form:	Liquid Suspension
Colour:	White to light beige
Odour:	characteristic
Safety Data:	
pH:	4.0 – 5.0 at 100% (23°C) Determined in the undiluted form
Flash point:	>100°C No flash point – determination conducted up to the boiling point.
Density	1.08g/cm ³ at 20°C
Water solubility:	Miscible
Explosivity:	Not explosive

10. Stability and Reactivity

Conditions to avoid:	Extremes of temperature and direct sunlight.
Materials to avoid:	None
Hazardous reactions:	No hazardous reactions when stored and handled according to prescribed instructions. Stable under recommended storage conditions.

MOVENTO[®] 100SCDate of Issue: 30th September 2015

Date of Previous Issue: 13th September 2012

11. Toxicological Information	
Acute oral toxicity:	LD ₅₀ : (rat) >2000mg/kg
Acute inhalation toxicity:	LC ₅₀ : (rat) >2.8mg/l Exposure time: 4h Highest attainable concentration
Acute Dermal Toxicity	LD ₅₀ (rat) >2,000mg/kg
Skin irritation:	No skin irritation (rabbit)
Eye irritation:	No eye irritation (rabbit)
Sensitization:	Sensitizing (guinea pig) OECD Test Guideline 406, Buehler test
12. Ecological Information	
Acute fish toxicity:	LC ₅₀ : 22.3mg/l Rainbow trout (<i>Oncorhynchus mykiss</i>) Exposure time: 96h
Toxicity for daphnia:	EC ₅₀ : 42.7mg/l water flea (<i>Daphnia magna</i>) Exposure time: 48 h
Toxicity to algae:	IC ₅₀ 213.6mg/l (<i>Pseudokirchneriella subcapitata</i>) Exposure time: 72h The value mentioned relates to the active ingredient. No acute toxicity was observed at its limit of water solubility.
13. Disposal Considerations.	
Disposal:	Ensure product is not discharged to the environment. For disposal use a certified waste disposal company.
Empty container precautions:	After final product withdrawal, all residues must be removed from containers (drip free, powder free or paste free). Once the product residues adhering to the walls of the containers have been rendered harmless, the product and hazard labels must be invalidated. Take to an Agrecovery collection site.

MOVENTO® 100SCDate of Issue: 30th September 2015

Date of Previous Issue: 13th September 2012

14. Transportation Information.

Rail/Road (RID/ADR):	UN 3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Spirotetramate Mixture), Class 9, Packing Group III, Hazchem Code 3Z.
Sea (IMDG-Code):	UN 3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Spirotetramate Mixture), Class 9, Packing Group III, Hazchem Code 3Z.
Air (ICAO/IATA):	UN 3082 Environmentally Hazardous Substance, Liquid, N.O.S. (Spirotetramate Mixture), Class 9, Packing Group III, Hazchem Code 3Z.
<p>Note: Movento 100SC is not classified as UN 3082 dangerous good in NZ. This dangerous good (DG) classification is the global DG classification for Movento 100SC.</p>	

15. Regulatory Information.

HSNO Approval Number: HSR00100545

HSNO Controls (inc. Tracking): See www.epa.govt.nz for controls.

Approved Handlers required: Approved Handlers not required.

ACVM Registration: P8434

ACVM Controls: See www.foodsafety.govt.nz for registration conditions.**16. Other Information:**

6.5B Harmful – may cause sensitisation from prolonged skin contact.

6.8B Harmful – may cause reproductive/development damage from repeated oral exposure.

9.1C Harmful to aquatic life with long-lasting effects. Avoid contamination of any water supply with product or empty container.

R36 Irritating to eyes.

R43 May cause sensitisation by skin contact.

R51 Toxic to aquatic organisms.

© Registered trademark of the Bayer Group.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.