

# Safety Data Sheet

## Lavron®

Date of issue: 18<sup>th</sup> July, 2014

<b>1) Identification of Substance:</b>		
Product name:	Lavron	
Active Ingredient(s):	250g/litre lambda-cyhalothrin	
ACVM Approval:	P8201	
EPA Approval Code:	HSR100581	
Distributed by:	Adria Crop Protection P.O. Box 535 Kumeu 1250, Auckland Ph: 09-412-9817 Fax: 09-412-9807 <a href="http://www.adriacp.co.nz">www.adriacp.co.nz</a>	
Emergency Number:	National Poisons Centre 0800 POISON 0800 764 766	
<b>2) Hazards Identification:</b>		
HSNO Classifications:	6.1C, 6.1E, 6.1B, 6.3B, 6.4A, 6.9A, 9.1A, 9.3B, 9.4A	
Risk and safety phrases:	<p><b>6.1C:</b> May be fatal if swallowed, inhaled or absorbed through the skin.</p> <p><b>6.1E:</b> May cause skin irritation. Skin contact may cause a temporary sensation of the skin, such as numbness, tingling, pricking, burning or creeping of the skin.</p> <p><b>6.1B:</b> May cause inhalation toxicity. Avoid breathing product or spray.</p> <p><b>6.3B:</b> May cause skin irritation. Avoid skin contact.</p> <p><b>6.4A:</b> May cause eye irritation. Avoid eye contact.</p> <p><b>6.9A:</b> May cause neurotoxicity and lung damage from repeated oral and inhalation exposure at high doses.</p> <p><b>9.1A:</b> Very toxic to aquatic organisms.</p> <p><b>9.3B:</b> Toxic to terrestrial vertebrates.</p> <p><b>9.4A:</b> Very toxic to terrestrial invertebrates.</p>	
<b>3) Composition Details:</b>		
Chemical identity:	Lambda-cyhalothrin	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (w/v)
Lambda-cyhalothrin	91465-0806	250 g/L
<b>4) First Aid Measures:</b>		
General Information:		
Skin contact:	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Seek medical attention immediately.	
Eye contact:	Flush eyes immediately and continue for at least 15 minutes. Seek medical attention.	

Ingestion:	Do NOT induce vomiting if swallowed. Seek medical attention immediately. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766).
Inhalation:	Remove patient to fresh air. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance soon if irritation persists.
Treatment:	No specific antidote is available. If poisoning is suspected apply symptomatic therapy. Persons suffering a temporary allergic reaction may respond to treatment with anti-histamines or steroid creams and/or systemic steroids. Skin contact paresthesia effects (itching, tingling, burning or numbness) are transient, lasting up to 24 hours. Treat symptomatically.

### 5) Fire-Fighting Measures:

Specific hazards:	During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing media and methods:	Extinguish warehouse and factory fires using dry chemical extinguisher, alcohol-resistant foam, carbon dioxide or fine-water spray. DO NOT use direct jet of water.
Recommended protective clothing:	Wear SCBA and chemical-protective clothing.

### 6) Accidental Release Measures:

Personal precautions:	Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately. Wash contaminated clothing before re-use.
Environmental precautions:	Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.
Spill procedures:	Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material.
Disposal procedures:	Dispose of waste safely, according to local Council regulations.

### 7) Handling & Storage:

Handling:	Use protective clothing. Ensure adequate ventilation. Cleaning water should be disposed of in appropriate manner.
Storage:	Store in original container tightly closed and in a locked, cool, dry, ventilated area away from foodstuffs, fertilisers and seeds. Protect from extreme temperatures. Keep out of reach of children.

<b>8) Exposure Control / Personal Protection:</b>	
Engineering measures:	
Respiratory protection:	Wear respiratory protection if ventilation is inadequate. Use particle filter with medium efficiency for solid and liquid particles.
Eye protection:	Wear safety goggles with side-shields.
Hand protection:	Wear suitable chemical resistant safety gloves (e.g. nitrile rubber (.4mm)).
Other protective equipment:	Body protection (chemical protection suit, boots) must be chosen depending on activity and possible exposure.
General Safety & Hygiene measures:	Avoid contact with skin and eyes and inhalation of dust from concentrate or spray mist. When mixing or applying, wear protective clothing, including face shield, impervious gloves and footwear. If clothing becomes contaminated with product, remove clothing immediately. DO NOT eat, drink or smoke while using. Wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing daily after work.
<b>9) Physical &amp; Chemical Properties:</b>	
Form:	Liquid
Colour:	Cream
Odour:	Characteristic
Melting point/boiling point:	100°C
Density:	1,032 - 1,054g/L
Surface tension:	Not available
pH:	6.2
Flash point:	Does not flash
Ignition Temperature:	Not explosive
Explosive Limits:	Not explosive
<b>10) Stability &amp; Reactivity:</b>	
Conditions to avoid:	Heat and light.
Materials to avoid:	None known.
Hazardous reactions:	None known.
<b>11) Toxicological Information:</b>	
Acute oral toxicity:	>220 mg/kg
Acute inhalation toxicity:	Active ingredient: LC <sub>50</sub> 0.06 mg/L/4 hours. Rat.
Acute dermal toxicity:	2,880 mg/kg
Skin irritation:	May cause skin irritation.
Eye irritation:	May cause eye irritation.
Sensitisation:	May cause sensitisation.
<b>12) Ecological Information:</b>	
Acute fish toxicity:	Very toxic to fish LC <sub>50</sub> (96 hr) for rainbow trout, 0.00036 mg/L
Toxicity for daphnia:	EC <sub>50</sub> (48 h) 0.36 µg/l
Toxicity to algae:	ErC <sub>50</sub> (96 h) for <i>Selenastrum capricornutum</i> >1000 µg/l.

### 13) Disposal Considerations:

Disposal:



Triple rinse packaging and add residue to spray tank. Take empty container to an AgRecovery depot for disposal.

Empty container precautions:

Avoid contamination of any water supply with chemical or empty container.

### 14) Transportation Information:

Rail/road (RID/ADR):

ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (Contains Lambda-  
Cyhalothrin)  
Class: 6.1  
Packaging group: III  
UN number: 3352  
Proper shipping name: Pyrethroid Pesticide Liquid  
Toxic



Sea (IMDG code):

ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (Contains Lambda-  
Cyhalothrin)  
Class: 6.1  
Packaging group: III  
UN number: 3352  
Proper shipping name: Pyrethroid Pesticide Liquid  
Toxic



Air (ICAO/IATA):

ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (Contains Lambda-  
Cyhalothrin)  
Class: 6.1  
Packaging group: III  
UN number: 3352  
Proper shipping name: Pyrethroid Pesticide Liquid  
Toxic



## 15) Regulatory Information:

Approved handlers:

This product must be under the care of an approved handler during wide dispersive use or when used by a commercial contractor.

Tracking:

General tracking requirements apply.

ACVM controls:

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

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