

# Safety Data Sheet



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** YATES SUCCESS NATURALYTE INSECT CONTROL

**Recommended Use:** Naturally derived insecticide for the control of caterpillars on various home garden fruit and vegetables.

**Supplier:** Yates New Zealand, a division of DuluxGroup (New Zealand) Pty Ltd  
ABN 55 133 404 118  
Co. 2355191

**Street Address:** The Gate Industrial Park,  
373 Neilson St, Onehunga  
Auckland, New Zealand

**Telephone Number:** +64 9 636 2800

**Facsimile:** +64 9 636 2802

**Emergency Telephone:** 0 800 734 607 (ALL HOURS)

## 2. HAZARDS IDENTIFICATION

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.



### Subclasses:

Subclass 6.9 Category B - Substances that are harmful to human target organs or systems.

Subclass 9.1 Category B - Substances that are ecotoxic in the aquatic environment.

Subclass 9.4 Category A - Substances that are very ecotoxic to terrestrial invertebrates.

### Hazard and Precautionary Information:

Signal Word: Warning.

#### Hazard Statements:

May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.  
Very toxic to terrestrial invertebrates.

#### Precautionary Statements:

Read label before use. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid release to the environment. Get medical advice/attention if you feel unwell. Collect spillage. In case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
Spinosad	168316-95-8	1%	R50
Inerts	-	99%	-

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Substance No: 000000020526

Issued: 19/07/2012

Version: 3

## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

### **Inhalation:**

Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if effects persist.

### **Skin Contact:**

If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

### **Eye Contact:**

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

### **Ingestion:**

Rinse mouth with water. If swallowed, give a glass of water to drink. Seek medical advice.

### **Medical attention and special treatment:**

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### **Hazards from combustion products:**

Non-combustible material.

### **Suitable Extinguishing Media:**

Not combustible, however, if material is involved in a fire use: Media applicable to surrounding fire.

**Hazchem Code:** · 3Z

## 6. ACCIDENTAL RELEASE MEASURES

### **Emergency procedures:**

If contamination of sewers or waterways has occurred advise local emergency services.

### **Methods and materials for containment and clean up:**

Wear protective equipment to prevent skin and eye contact. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Keep out of reach of children. Avoid skin and eye contact and breathing in vapour, mists and aerosols.

**Conditions for safe storage:** Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Keep containers closed when not in use - check regularly for spills.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Occupational Exposure Limits:** No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH).

**Engineering controls:**

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

**Personal Protective Equipment:**

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When mixing or applying, wear eye protection and waterproof gloves. Do not eat, drink or smoke when using. Remove protective equipment immediately after handling this product and wash hands and face.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Off-white
<b>Odour:</b>	Minimal
<b>Solubility:</b>	Miscible in water.
<b>Specific Gravity:</b>	1.01
<b>Relative Vapour Density (air=1):</b>	Not available
<b>Vapour Pressure (20 °C):</b>	Not available
<b>Flash Point (°C):</b>	Not applicable
<b>Boiling Point/Range (°C):</b>	100 (water)
<b>pH:</b>	Not available
<b>Evaporation Rate:</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable under normal conditions of use.
<b>Conditions to avoid:</b>	Avoid contact with foodstuffs. Avoid exposure to heat.
<b>Incompatible materials:</b>	None known.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen.
<b>Hazardous reactions:</b>	Hazardous polymerisation will not occur.

## 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 or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Ingestion:</b>	No adverse effects expected.
<b>Eye contact:</b>	May be an eye irritant.
<b>Skin contact:</b>	Contact with skin may result in irritation.
<b>Inhalation:</b>	Breathing in mists or aerosols may produce respiratory irritation.

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## Long Term Effects:

Evidence indicates that repeated or prolonged exposure to this chemical could result in target organ damage.

**Toxicological Data:** No LD50 data available for the product. For Spinosad technical (1):

Oral LD50 (rat): 3783 mg/kg (male); >5000 mg/kg (female)

Dermal LD50 (rabbit): >2000 mg/kg

Long term carcinogenicity studies in rats and mice showed no increase in tumours when compared to an untreated group.

Studies in rats and rabbits indicates that Spinosad does not cause birth defects or interfere with reproduction.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Avoid contaminating waterways and fishponds. Do not spray over bees or plants in flower. Do not allow spray to drift onto aquatic environments, other crops or desirable plants or outside the target area. For Spinosad (1):

### Persistence/degradability and mobility

The material has low potential for bioaccumulation.

### Aquatic toxicity:

Harmful to aquatic organisms.

48hr EC50 (Daphnia magna):

14 ppm

96hr LC50 (rainbow trout):

30 mg/L

### Terrestrial toxicity:

Toxic to bees.

>2000 mg/kg

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods:

Refer to local government authority for disposal recommendations. Rinse empty container, puncture and recycle or dispose of safely with domestic rubbish.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.



**UN No:**

3082

**Class-primary**

9 Miscellaneous Dangerous Goods

**Packing Group:**

III

**Proper Shipping Name:**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS SPINOSAD)

**Hazchem Code:**

· 3Z

### Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.

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**UN No:** 3082  
**Class-primary:** 9 Miscellaneous Dangerous Goods  
**Packing Group:** III  
**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS SPINOSAD)

## Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

**UN No:** 3082  
**Class-primary:** 9 Miscellaneous Dangerous Goods  
**Packing Group:** III  
**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS SPINOSAD)

## 15. REGULATORY INFORMATION

### Classification:

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

### Subclasses:

Subclass 6.9 Category B - Substances that are harmful to human target organs or systems.

Subclass 9.1 Category B - Substances that are ecotoxic in the aquatic environment.

Subclass 9.4 Category A - Substances that are very ecotoxic to terrestrial invertebrates.

## 16. OTHER INFORMATION

(1) In: 'The Pesticide Manual'. 13th Edition. Ed. CDS Tomlin. British Crop Protection Society, 2003.

### Reason(s) for Issue:

Revised Primary SDS

This safety data sheet has been prepared by SDS Services.

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since DuluxGroup Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their DuluxGroup representative or DuluxGroup Limited at the contact details on page 1.

DuluxGroup Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.