

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** YATES TRIGGER PATH WEED SPRAY

**Recommended Use:** Non-selective systemic herbicide for the residual control of weeds in paths, driveways and tennis courts.

**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:** CHEMCALL 0800 243 622 (ALL HOURS)

## 2. HAZARDS IDENTIFICATION

Not classified as a Dangerous Good under NZS 5433:2007 Transport of Dangerous Goods on Land.

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

### Subclasses:

Subclass 6.3 Category B - Substances that are mildly irritating to the skin.

Subclass 6.5 Category B - Substances that are contact sensitisers.

Subclass 6.8 Category B - Substances that are suspected human reproductive or developmental toxicants.

Subclass 9.1 Category C - Substances that are harmful in the aquatic environment.

Subclass 9.2 Category B - Substances that are ecotoxic in the soil environment.

### Hazard and Precautionary Information:

Causes mild skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life with long lasting effects. Toxic to the soil environment. Read label before use. Read Safety Data Sheet before use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see First Aid Measures on this Safety Data Sheet). IF exposed or concerned: Get medical advice/attention. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use. Store locked up. 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
Simazine	122-34-9	9 g/L	R40 R50/53
Amitrole	61-82-5	5 g/L	R48/22 R63 R51/53
Water and other non-hazardous components	-	to 100%	-

**Product Name:** YATES TRIGGER PATH WEED SPRAY  
**Substance No:** 000000020813

**Issued:** 18/03/2010  
**Version:** 2

## 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 or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

### **Eye Contact:**

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

### **Ingestion:**

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

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

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

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

Non-combustible material.

### **Precautions for fire fighters and special protective equipment:**

Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

### **Suitable Extinguishing Media:**

Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

## 6. ACCIDENTAL RELEASE MEASURES

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

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Avoid contact during pregnancy. 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. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Safety Data Sheet



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

Amitrole: WES-TWA = 0.2 mg/m<sup>3</sup>, A3 Carcinogen

As published by the New Zealand Occupational Safety and Health Service (OSH).

WES - TWA (Workplace Exposure Standard - Time Weighted Average) - The eight-hour, time-weighted average exposure standard is designed to protect the worker from the effects of long-term exposure.

Carcinogen Category A3 - Confirmed animal carcinogen with unknown relevance to humans.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

## Engineering controls:

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

## Personal Protective Equipment:

Avoid contact with eyes and skin and breathing in spray mist. Wear rubber gloves while handling the product. Wash hands and exposed skin thoroughly after use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Clear to Cloudy Pale Yellow
<b>Solubility:</b>	Dispersible in water.
<b>Specific Gravity:</b>	N Av
<b>Relative Vapour Density (air=1):</b>	N Av
<b>Vapour Pressure (20 °C):</b>	N Av
<b>Flash Point (°C):</b>	N App
<b>Melting Point/Range (°C):</b>	N App
<b>Boiling Point/Range (°C):</b>	100
<b>pH:</b>	N Av
<b>Viscosity:</b>	N Av
<b>Evaporation Rate:</b>	N Av

## 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>	Incompatible with oxidising agents.
<b>Hazardous decomposition products:</b>	Oxides of nitrogen. Oxides of carbon. Hydrogen chloride.
<b>Hazardous reactions:</b>	None known.

## 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, however, large amounts may cause nausea and vomiting.
<b>Eye contact:</b>	May be an eye irritant.
<b>Skin contact:</b>	Contact with skin may result in irritation. May cause skin sensitisation in sensitive individuals. Repeated or prolonged skin contact may lead to allergic contact dermatitis.
<b>Inhalation:</b>	Breathing in mists or aerosols may produce respiratory irritation.

### Long Term Effects:

Evidence indicates that repeated or prolonged exposure to this chemical could result in effects on the reproductive system. May cause harm to the unborn child.

**Toxicological Data:** No LD50 data available for the product. However, for constituent(s) (1):

Oral LD50 (rat): >10000 mg/kg (amitrole); 500-10000 mg/kg (simazine)

Dermal LD50 (rat): >2500 mg/kg (amitrole); >2000 mg/kg (simazine)

For Amitrole : This material has been classified by the International Agency for Research on Cancer (IARC) as a Group 2B. Group 2B - The agent is possibly carcinogenic to humans.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Avoid contaminating waterways and fishponds. Do not allow spray to drift onto aquatic environments, other crops or desirable plants or outside the target area.
<b>Aquatic toxicity:</b>	Harmful to aquatic organisms.
<b>Terrestrial toxicity:</b>	Ecotoxic in the soil environment

## 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

Not classified as a Dangerous Good under NZS 5433:2007 Transport of Dangerous Goods on Land.

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

## 15. REGULATORY INFORMATION

### **Classification:**

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

### **Subclasses:**

Subclass 6.3 Category B - Substances that are mildly irritating to the skin.

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## 16. OTHER INFORMATION

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

### **Reason(s) for Issue:**

5 Yearly Revised Primary MSDS

This safety data sheet has been prepared by SH&E Shared 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.