


Section 1: Identification

Product name:	WeedOff™
Other names:	Amitrole 400SL
Recommended use:	Non-selective herbicide for control of many annual and perennial grasses, broadleaf weeds, and selected brushweeds.
Manufacturer/Importer details:	Agritrade 411 Blenheim Road Sockburn, Christchurch New Zealand Phone: 03 341 4587
24-hour emergency contact:	0800 CHEMCALL (0800 243 622)
National Poisons Centre:	0800 POISON (0800 764 766)

Section 2: Hazard identification

	Product is classified as hazardous according to the Hazardous Substances (Classification) Notice 2017 of the HSNO Act, 1996.
HSNO Approval:	HSR000422
Hazardous classifications:	6.1E, 6.4A, 6.8B, 6.9A, 9.1B, 9.2A
Pictograms:	
Signal word:	DANGER
Hazard statements:	H303 May be harmful if swallowed. H313 May be harmful in contact with skin. H319 Causes serious eye irritation. H333 May be harmful if inhaled. H361 Suspected of damaging fertility or the unborn child. H372 Causes damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. H421 Very toxic to the soil environment.
Prevention statements:	P102 Keep out of reach of children. P103 Read label before use. P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe mist/vapours/spray. P264 Wash exposed skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment.

Response statements:	<p>P280 Wear eye protection/face protection. P281 Use personal protective equipment as required.</p> <p>P101 If medical advice is needed, have product container or label at hand. P308+P313 If exposed or concerned: Get medical advice. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice. P312 Call a POISON CENTRE or doctor if you feel unwell. P391 Collect spillage.</p>
Storage statement:	P405 Store locked up.
Disposal statement:	P501 Dispose of product and containers in accordance with local Regulations. See section 13 for more details.

Section 3: Composition/information on ingredients

Chemical identity of ingredients with health or environmental hazards:

<i>Ingredient</i>	<i>CAS No.</i>	<i>Proportion w/w</i>
Amitrole	61-82-5	32
Ammonium sulphamate	7773-06-0	<20
Ammonium thiocyanate	1762-95-4	<10
Other ingredients	Trade secret	balance

* amitrole 400 g/L

Section 4: First-aid measures

First aid measures:	If medical advice is needed, have product container or label at hand. For advice contact National Poisons Centre 0800 POISON [0800 764 766] or a doctor.
Inhalation:	Remove person to fresh air and keep at rest in a position comfortable for breathing until recovered. Get medical advice if person feels unwell.
Ingestion:	Rinse mouth. Get medical advice if person feels unwell.
Skin contact:	Wash with soap and water. Get medical advice if irritation or rash occurs.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice if irritation persists.
First aid facilities:	Provide eye baths and safety showers close to areas where product contact or splashing may occur.
Advice to doctor:	Treat symptomatically.

Section 5: Fire-fighting measures

Flammability:	Non-flammable.								
Appropriate extinguishing media:	Foam, water spray, dry powder, carbon dioxide (CO2).								
Combustion products:	Smoke, oxides of carbon, oxides of nitrogen, hydrogen cyanide and other unidentified compounds.								
Special protective equipment and precautions for fire-fighters:	Wear protective equipment including self-contained breathing apparatus (SCBA).								
HAZCHEM code:	3Z								
Section 6: Accidental release measures									
Personal precautions:	Wear protective equipment; chemical resistant coveralls, boots, gloves, eye protection. Wear respiratory protection if there is a risk of contact with vapours or mist.								
Environmental precautions:	Contain spill. Prevent from entering waterways, drains, sewers. Notify local authorities if contamination of waterway.								
Procedure for clean up:	Spill may be slippery and should be cleaner up immediately. Contain and recover liquid into labelled container for re-use or disposal. Absorb residue or small spills with suitable material, e.g. sand, vermiculite. Dispose of contaminated waste to approved landfill.								
Section 7: Handling and storage									
Safe handling:	Read label before use. Wear personal protective equipment. To be used only by suitably qualified person and in compliance with HSNO Controls.								
Safe storage:	Keep out of reach of children. Keep container tightly closed when not in use. Store in locked up, cool, well-ventilated area away from foodstuffs, seeds, fertilisers and human/animal health products. Storage must be in accordance with the NZS 8409 Management of Agrichemicals.								
Section 8: Exposure controls/personal protection									
Occupational exposure limits:	<table><tr><td><i>Ingredient</i></td><td><i>Exposure route</i></td><td><i>WES-TWA</i></td><td><i>WES-STEL</i></td></tr><tr><td>-</td><td>-</td><td>-</td><td>-</td></tr></table>	<i>Ingredient</i>	<i>Exposure route</i>	<i>WES-TWA</i>	<i>WES-STEL</i>	-	-	-	-
<i>Ingredient</i>	<i>Exposure route</i>	<i>WES-TWA</i>	<i>WES-STEL</i>						
-	-	-	-						
Biological limit value:	Not set.								
Engineering controls:	Use with adequate ventilation, i.e. outdoors.								
Respiratory protection:	Not required if used outdoors with adequate ventilation. If risk of inhalation, wear respirator fitted with suitable filter.								

Hand protection:	Waterproof gloves, e.g. PVC, nitrile.
Eye protection:	Chemical goggles, safety glasses with side shields or face shield.
Skin protection:	Chemical resistant coveralls and closed in boots.
General hygiene:	Do not eat, drink or smoke while using. Wash hands and exposed skin thoroughly with soap and water before rest breaks or meals and after work. Wash protective clothing daily after work.

Section 9: Physical and chemical properties

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| (a) | Appearance: | Straw to reddish brown liquid. |
| (b) | Odour: | Very slight odour. |
| (c) | Odour threshold: | Not available. |
| (d) | pH: | 4.0 |
| (e) | Melting point/freezing point: | Not available. |
| (f) | Initial boiling point and boiling range: | >100°C |
| (g) | Flash point: | Non-flammable. |
| (h) | Flammability (solid, gas): | Not applicable. |
| (i) | Upper/lower flammability or explosive limits: | Not applicable. |
| (j) | Vapour pressure: | 3.3 x 10 ⁻⁵ (amitrole technical). |
| (k) | Vapour density: | Not available. |
| (l) | Relative density: | 1.25 |
| (m) | Solubility: | 280g/L in water. |
| (n) | Partition coefficient: n-octanol/water: | K _{ow} log P -0.97 |
| (o) | Auto-ignition temperature: | Not available. |
| (p) | Decomposition temperature: | >120°C |
| (q) | Kinematic viscosity: | Not available. |

Section 10: Stability and reactivity

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| Stability of the substance: | Stable under normal conditions of storage and use. |
| Conditions to avoid: | No information available. |
| Incompatible materials: | Strong acids. |
| Hazardous polymerisation: | Not known to occur. |

Section 11: Toxicological information

		Toxicity classifications determined by assessment of the components in the formulated mixture.
(i)	Acute toxicity:	Classified as may be harmful if ingested, by dermal absorption or by inhalation.
(ii)	Aspiration hazard:	Not classified as aspirant hazard.
(iii)	Respiratory irritation:	Not classified.
(iv)	Skin corrosion / irritation:	May be mildly irritating to skin.
(v)	Serious eye damage / irritation:	Irritating to eyes.
(vi)	Respiratory or skin sensitisation:	Not classified as respiratory or contact sensitizer.
(vii)	Germ cell mutagenicity:	Not classified for mutagenic effects.
(viii)	Carcinogenicity:	Not classified for carcinogenic effects.
(ix)	Reproductive toxicity:	Suspected as may cause adverse fertility or developmental effects.
(x)	Specific organ toxicity:	Causes adverse effects to thyroid and liver if prolonged or repeated exposure at high concentrations.
(xi)	Narcotic effects:	Not classified for narcotic effects.
Toxicological information:		Not available.
Section 12: Ecological information		
		Ecotoxicological classifications determined by assessment of the components in the formulated mixture.
(a)	Aquatic toxicity:	Toxic to aquatic life with long lasting effects.
(b)	Soil environment:	Very toxic to the soil environment.
(c)	Terrestrial vertebrate toxicity:	Not classified.
(d)	Terrestrial invertebrate toxicity:	Not classified.
(e)	Persistence and degradability:	Not rapidly degradable.
(f)	Potential to be bioaccumulative:	Not identified as bioaccumulative.
(g)	Mobility in soil:	Product is soluble in water.
Ecotoxicological information for amitrole:		Rainbow trout LC ₅₀ (96 h) 65 mg/L <i>Skeletonema subspicatus</i> (algae) EC ₅₀ (72h) 2.3 mg/L <i>Daphnia magna</i> EC ₅₀ (48 h) immobilization 1.54 mg/L <i>Lactuca sativa</i> (Dicotyledon, plant), 19 day EC ₅₀ (growth) 0.04 mg/kg soil
Section 13: Disposal considerations		

Product disposal:	Dispose of this product only by using according to the label or through Agrecovery chemical disposal or to an approved landfill.
Container disposal:	Dispose through Agrecovery if possible. Alternatively, crush and bury in an approved landfill. Do not use container for any other purpose. Avoid contamination of any water supply, drains, streams or sewer with product or empty container.
Section 14: Transport information	
UN number:	3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AMITROLE 40%)
UN class:	9
Packing group:	III
Subsidiary risk:	-
Environmental hazards:	Marine Pollutant
Special precautions:	-
This product is classified as a Dangerous Good. Consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2012 Transport of Dangerous Goods on Land for more information	
Section 15: Regulatory information	
HSNO:	Approved substance under the HSNO Act 1996.
HSNO approval number:	HSR000422; Soluble concentrate containing 400 g/litre amitrole (Substance B).
Tolerable exposure limit / environmental exposure limit:	Not set
HSNO controls:	See www.epa.govt.nz
Additional controls:	Do not apply onto or into water.
ACVM:	Registered tradename product under the Agricultural Compounds Veterinary Medicines Act 1997.
ACVM registration number:	P9679
Conditions of registration:	See www.foodsafety.govt.nz
Section 16: Other information	
Date of issue:	26/03/2020
Reason for reissue:	New product.
Replaces:	Not applicable.
Information references:	Supplier Safety Data Sheet NZ EPA Approved hazardous substances with controls Workplace Exposure Standards and Biological Exposure Indices

Abbreviations:	ACVM: Agricultural Chemicals and Veterinary Medicines Group
	HSNO: Hazardous substances and New Organisms Act 1996 (HSNO Act)
	EPA: Environmental Protection Authority of New Zealand
	CAS Number: Chemical Abstracts Service Number
	LD ₅₀ : Lethal Dose 50% (Population)
	LC ₅₀ : Lethal Concentration 50% (Population)
	WES-TWA: Workplace exposure standards – Time-weighted average
	WES-STEL: Workplace exposure standards – Short-term exposure limit

The data provided in this safety data sheet is based on current knowledge and experience. The purpose of this document is to describe the product in terms of its safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.