

# Safety Data Sheet

## Ethosin<sup>®</sup> 500SC

Date of issue: 30<sup>th</sup> March, 2011

<b>1) Identification of Substance:</b>		
Product name:	Ethosin 500SC	
Active Ingredient(s):	Ethofumesate 500 g/l	
ACVM Approval:	P5471	
ERMA Approval:	HSR000449	
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:	6.9B, 9.1B, 9.2A	
Physical/Chemical Hazards	Not applicable.	
Environmental hazard	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.	
<b>3) Composition Details:</b>		
Chemical identity:	Ethofumesate	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Ethofumesate	26225-79-6	5-10%
<b>4) First Aid Measures:</b>		
General Information:		
Skin contact:	Wash with soap and water. Get medical attention if irritation develops. Cold water may be used.	
Eye contact:	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.	
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear. Seek medical attention immediately. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.	
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.	

Aggravating Conditions:	Repeated or prolonged exposure is not known to aggravate medical condition.
<b>5) Fire-Fighting Measures:</b>	
Extinguishing media	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Hazardous thermal (de)composition products	Carbon oxides (CO, CO <sub>2</sub> ) sulphur oxides (SO <sub>2</sub> , SO <sub>3</sub> ...).
Protection against fire	Be sure to use an approved/certified respirator or equivalent.
Special procedures	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
<b>6) Accidental Release Measures:</b>	
Personal precautions:	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Environmental precautions:	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities...
Clean up methods:	Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.
<b>7) Handling &amp; Storage:</b>	
General	Keep away from sources of ignition - No Smoking. Do not breathe vapours.
Precautions in handling and storage	Both local exhaust and good general room ventilation must be provided not only to control exposure but also to prevent formation of flammable mixtures.
Technical Protective Measures:	Use grounded electrical/mechanical equipment.
Handling:	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapour/spray. If ingested, seek medical advice immediately and show the container or the label.
Storage:	Keep container tightly closed. Keep container in a cool, well-ventilated area.

<b>8) Exposure Control / Personal Protection:</b>	
Engineering measures	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Hygiene measures	Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
Occupational Exposure Limits	Not available.
Personal protective equipment	
Skin and body	Lab coat.
Eyes	Safety glasses.
<b>9) Physical &amp; Chemical Properties:</b>	
Physical state at 20 °C:	Liquid
Colour:	Beige
Odour:	Not Available
Melting point/boiling point:	-
Density:	1.142 g/cm <sup>3</sup> at 20°C
Surface tension [mN/m]:	-
pH:	7.7
Flash point [°C]:	-
Ignition Temperature: [°C]:	-
Explosive Limits:	-
Viscosity:	Dynamic: 970 cP
Solubility in water	-
<b>10) Stability &amp; Reactivity:</b>	
Stability and reactivity	Stable.
Hazardous decomposition products	Carbon oxides (CO, CO <sub>2</sub> ) sulphur oxides (SO <sub>2</sub> , SO <sub>3</sub> ...).
<b>11) Toxicological Information:</b>	
Rat oral LD <sub>50</sub> [mg/kg]	>2000
Dermal LD <sub>50</sub> [mg/kg]	>2000
Chronic Toxicity	Repeated or prolonged exposure is not known to aggravate medical condition.
<b>12) Ecological Information:</b>	
Ecological effects information	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
LC <sub>50</sub> 96h fish [mg/l]	-
48 H-LC <sub>50</sub> - Daphnia magna [ppm]	13.52 to 22
IC <sub>50</sub> 72h Algae [mg/l]	3.9
On ingredients	See Heading: Information on ingredients.

### 13) Disposal Considerations:

Disposal:



Triple rinse container and add residue to spray tank. Return empty container to an AgRecovery collection point 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 (ETHOFUMESATE)  
Class 9  
Packing group III  
UN: 3082



Sea (IMDG code):

ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S (ETHOFUMESATE)  
Class 9  
Packing group III  
UN: 3082  
Marine Pollutant



Air (ICAO/IATA):

ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S (ETHOFUMESATE)  
Class 9  
Packing group III  
UN: 3082



### 15) Regulatory Information:

Approved handlers:

This product must be under the care of an approved handler during use.

Tracking:

No.

ACVM controls:

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

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