



SAFETY DATA SHEET

ETHOSIN 500 SC

1. Identification of the substance/preparation and of the company/undertaking

Product name : ETHOSIN 500 SC
Chemical product name : Ethofumesate 500 g/l
Formulation type : SC
Product Code : CA711637
CAS No. : Mixture.
Product Use : Agricultural industry.: Herbicide.
Manufacturer : CHIMAC-AGRI PHAR SA
26, rue de Renory
B 4102 Ougrée
Tel: +32(0)4 385.97.11
Fax: +32(0)4 385.97.49
Distributor : ADRIA NEW ZEALAND LTD
PO BOX 535 KUMEU
AUCKLAND
Tel: 09-412-9817
Fax: 09-412-9807
Emergency telephone number : National Poisons Centre. Ph: 0800 POISON (0800 764 766)

2. Composition / information on ingredients

Substance/Preparation : Preparation

Information on hazardous ingredients*

Chemical Name	CAS No.	%	EC Number	Symbol	R-Phrases
1) Solvent.		5-10	Not available.	Xn	R22

3. Hazards identification

Physical/Chemical Hazards : Not applicable.
Environmental Hazards : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

4. First-aid measures

First-Aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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.

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.

Skin Contact : Irritation of the product in case of skin contact: Not available. Sensitization of the product: Not available.

Aggravating conditions : Repeated or prolonged exposure is not known to aggravate medical condition.



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5. Fire-fighting measures

Extinguishing Media

Suitable : 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, CO₂) sulfur oxides (SO₂, SO₃...).

Special fire-fighting procedures : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters : Be sure to use an approved/certified respirator or equivalent.

6. Accidental release measures

Personal precautions : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Environmental Precautions and Clean-up Methods : 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.

7. Handling and storage

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/ vapor/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.

Packaging materials

Recommended use : Use original container.

8. Exposure controls/personal protection

Engineering measures : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors 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.



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9. Physical and chemical properties

Physical state	: Liquid.
Color	: Beige.
Odor	: Not available.
Density	: 1.142 g/cm ³ at 20°C (68°F)
Solubility	: Easily soluble in cold water.
pH	: 7.7
Viscosity	: Dynamic: 970 cP

10. Stability and reactivity

Stability	: The product is stable.
Hazardous Decomposition Products	: carbon oxides (CO, CO ₂) sulfur oxides (SO ₂ , SO ₃ ...).

11. Toxicological information

Local effects

Acute toxicity	: Acute oral toxicity (LD ₅₀): >2000 mg/kg [Rat]. (Solvent.). Acute dermal toxicity (LD ₅₀): >2000 mg/kg [Rat]. (Solvent.).
Chronic toxicity	: Repeated or prolonged exposure is not known to aggravate medical condition.

12. Ecological information

Ecotoxicity	: - Ethofumesate: 13.52 to 22 mg/l, 48 hours [Daphnia]. 3.9 mg/l, 72 hours [Algae]. Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
Environmental Hazards	: Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

13. Disposal considerations

Methods of disposal ; Waste of residues ; Contaminated packaging	: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Classification	: Not applicable.

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14. Transport information

International transport regulations

UN number : 3082

Land - Road/Railway

Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (Ethofumesate)

ADR/RID Class : Class 9: Miscellaneous substances.

Packing Group : III

Hazard Identification Number : 90

ADR/RID label :



Sea

Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (Ethofumesate)

IMDG Class : Class 9: Miscellaneous substances.
Marine pollutant

IMDG Page Number : 9028

Packing Group : III

IMDG label :



Marine Pollutant : IMDG Class: Marine Pollutant. (Pollutant.)

Air

Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (Ethofumesate)

UN/ID Number : 3082

IATA-DGR Class : Class 9: Miscellaneous substances.

Inland waterways

Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (Ethofumesate)

ADNR Classification : Class 9: Miscellaneous substances.

UN/NA (Europe) ADNR : 3082

Packing Group : III

ADNR label :



15. Regulatory information

EU Regulations

Hazard symbol(s) : 

Classification : Dangerous for the environment



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- Risk Phrases** : R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Safety Phrases** : S2- Keep out of the reach of children.
S56- Dispose of this material and its container at hazardous or special waste collection point.
- Product Use** : Classification and labeling have been performed according to EU directives 67/548/EEC, 88/379/EEC including amendments and the intended use.
- Consumer applications.

16. Other information

HISTORY

- Date of printing** : 13/02/2001
- Date of issue** : 26/01/2001.
- Date of Previous Issue** : No Previous Validation
- Version** : 1
- Prepared by** : CHIMAC-AGRIPHAR

Notice to Reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Version 1