



SAFETY DATA SHEET

TRIBEL 600 EC

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

Chemical product name : Triclopyr Butoxy Ethyl Ester 834 g/l
Formulation type : EC
Product Code : CA701419
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.		15-20	Not available.	Xn	R65, R66
2) Triclopyr Butoxy ethyl ester	64700-56-7	70-80	Not available.	Xn, N	R22, R43, R50/53
3) surfactant		0-5	Not available.	Xi	R10, R36/38

3. Hazards identification

Physical/Chemical Hazards : Not applicable.
Human health hazards : Harmful if ingested.
May cause sensitization by skin contact.
Harmful: may cause lung damage if swallowed.
Environmental Hazards : Very 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 : If swallowed, do NOT induce vomiting. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Aspiration hazard if swallowed- can enter lungs and cause damage. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention.

Skin Contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.



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- 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. Get medical attention.
- Skin Contact** : Irritation of the product in case of skin contact: Not available.
Hazardous in case of skin contact (sensitizer).
- Aggravating conditions** : Repeated or prolonged exposure is not known to aggravate medical condition.

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) nitrogen oxides (NO, NO₂...) halogenated compounds.
- 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** : Combustible material.
Keep away from heat. Keep away from sources of ignition. Stop leak if without risk.

7. Handling and storage

- Handling** : Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, alkalis.
- Storage** : Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
- 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, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.
- Occupational Exposure Limits** : Not available.
- Personal protective equipment**
- Respiratory system** : Wear appropriate respirator when ventilation is inadequate.
- Skin and body** : Lab coat.
- Hands** : Gloves.

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Eyes : Safety glasses.

9. Physical and chemical properties

Physical state : Liquid.
Color : Yellowish-brown.
Odor : Not available.
Melting Point : May start to solidify at -42°C (-43.6°F) based on data for: Triclopyr Butoxy ethyl ester.
Density : 1.2 g/cm³ at 20°C (68°F)
Vapor Density : The highest known value is 12.3 (Air = 1) (Triclopyr Butoxy ethyl ester).
Vapor Pressure : The highest known value is 0 kPa (at 20°C) (Triclopyr Butoxy ethyl ester).
pH : Not applicable.
Flash point : CLOSED CUP: Between 61°C (142°F) and 93.3°C (200°F).
Fire Hazards in Presence of Various Substances : Slightly flammable to flammable in presence of open flames and sparks, of heat.
Autoignition temperature : The lowest known value is >230°C (446°F) (Solvent.).

10. Stability and reactivity

Stability : The product is stable.
Materials to avoid : Reactive with oxidizing agents, acids, alkalis.
Hazardous Decomposition Products : carbon oxides (CO, CO₂) nitrogen oxides (NO, NO₂...) halogenated compounds.

11. Toxicological information

Local effects
Eye irritation : Non-irritating to the eyes.
Sensitization : Hazardous in case of skin contact (sensitizer).
Acute toxicity : Acute oral toxicity (LD₅₀): 1150 mg/kg [Rat]. (Triclopyr Butoxy ethyl ester).
Acute dermal toxicity (LD₅₀): >2000 mg/kg [Rat]. (Solvent.).
Chronic toxicity : Repeated or prolonged exposure is not known to aggravate medical condition.

12. Ecological information

Ecotoxicity : - **Triclopyr Butoxy ethyl ester:**
0.7 mg/l, 96 hours [Fish].
Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
Environmental Hazards : Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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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.

14. Transport information

International transport regulations

UN number : 3082

Land - Road/Railway

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

ADR/RID Class : Class 9: Miscellaneous substances.

ADR/RID Item number : 90

Packing Group : III

Hazard Identification Number : 11°C)

ADR/RID label :



Sea

Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (Triclopyr Butoxy ethyl ester)

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.

UN/ID Number : 3082

IATA-DGR Class : Class 9: Miscellaneous substances.

Inland waterways

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

ADNR Classification : Class 9: Miscellaneous substances.

UN/NA (Europe) ADNR : 3082

Packing Group : III

ADNR label :



**SAFETY DATA SHEET****TRIBEL 600 EC****15. Regulatory information**EU Regulations

Hazard symbol(s)



Classification

: Harmful, Dangerous for the environment

Risk Phrases

: R22- Harmful if swallowed.
R43- May cause sensitization by skin contact.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65- Harmful: may cause lung damage if swallowed.

Safety Phrases

: S2- Keep out of the reach of children.
S24- Avoid contact with skin.
S37- Wear suitable gloves.
S46- If swallowed, seek medical advice immediately and show this container or label.
S56- Dispose of this material and its container at hazardous or special waste collection point.

Contains

: - Solvent.
- Triclopyr Butoxy ethyl ester

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

: 5/04/2001

Date of issue

: 5/04/2001.

Date of Previous Issue

: No Previous Validation

Version

: 1.01

Prepared by

: CHIMAC-AGRI PHAR

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

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

1.01

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