

SAFETY DATA SHEET (SDS)

TITLE: **TRIBENURON-METHYL 750 WG**

1.0 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Identification on the label / Trade name : CIBA TRIBENURON-METHYL 750 WG
Common Name : Tribenuron-methyl 750 g/kg WG
CAS No. : 101200-48-0
EC No. : N/A
Index Number : N/A
REACH registration No. : N/A

1.2 Relevant identified uses of the substance and uses advised against:

Agricultural herbicide

1.3 Details of the Manufacturer / Supplier of the safety data sheet:

Supplier CIBA AGRIPHARMA SARL
78 Boulevard Haussmann
75008 Paris , France
Tel Tel: +33 6 51 39 90 00
E-mail administration@ciba- agripharma.com
Webpage www. ciba- agripharma.com

1.4 Emergency Phone Number (24 hours)

+33 6 51 39 90 00

2.0 HAZARDS IDENTIFICATION

2.1 Classification of the mixture:

<u>Hazard Class</u>	<u>Category</u>	<u>Hazard Statement</u>
Aquatic Toxicity (Acute)	1	H400
Aquatic Toxicity (Chronic)	1	H401

2.2 Label elements

According to 1272/2008/EU REGULATION

Pictograms / Signal word code (s)

Warning



Signal word (CLP)	: Warning
Hazard statements (CLP)	: H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP)	: P273 - Avoid release to the environment
	P391 - Collect spillage
	P501 - Dispose of contents/container to local regulation.

2.3 Other hazards

No additional information available

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

Name	Product identifier	%
Tribenuron-methyl	(CAS No.) 101200-48-0	75%
Inert Ingredients	NA	Balance

4.0 FIRST AID MEASURES

IF INHALED	: Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice if irritation develops or persists.
IF IN EYES	: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice if irritation develops or persists.
IF SWALLOWED	: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person
First-aid measures – general	: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. See Label for Additional Precautions and Directions for Use.

Notes to Physician : The compound does not cause any definite symptoms that would be diagnostic. No specific antidote. Treat symptomatically.

5.0 FIRE – FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).
Unsuitable extinguishing media : High volume water jet. (Water contamination risk from runoff)

5.2. Special hazards arising from the substance or mixture

Fire hazard : Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, nitrogen oxides (NO_x).
Explosion hazard : Product is not explosive.
Reactivity : The product is stable at normal handling and storage conditions.

5.3. Advice for fire-fighters

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6.0 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Do not breathe vapour/spray.

6.2. Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Cleaning operations should be carried out only while wearing breathing apparatus. Incinerate or take to a special waste disposal site in accordance with local authority regulations.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

7.0 HANDLING AND STORAGE

7.1. Precautions for safe handling

Ensure thorough ventilation of stores and work areas. No special measures necessary if stored and handled correctly. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. Remove contaminated clothing and protective equipment before entering eating areas.

Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

7.2. Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

Storage stability:

Storage duration: 24 Months

7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8.0 EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure limits have not been established for the ingredients in this product

8.1 Personal protective equipment

Applicators and other handlers must wear:

Long sleeved shirt and long pants Chemical-resistant gloves, (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber), all greater than or equal to 14 mils. Shoes plus socks

PPE required for early entry to treated areas that involves contact with anything that has been treated, such as plants, soil, or water, is:

Coveralls. Chemical-resistant gloves, (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber), all greater than or equal to 14 mils. Shoes plus socks

8.2 Exposure controls

Ensure adequate ventilation, especially in confined areas.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: Solid, rod shape granule
Color	: Off white
Odor	: Mild characteristic Odor

Odor threshold	: No data available
pH	: 6.43 at 25 °C
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.1225 at 20°C
Density	: Pour density 0.476 g/ml at 23°C Tap bulk density 0.513 g/ml at 23°C
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available

9.2 Other information

If necessary, information on other physical and chemical parameters is indicated in this section

10.0 STABILITY AND RELIABILITY

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

10.4. Conditions to avoid

See MSDS section 7 - Handling and storage.

10.5. Incompatible materials

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

10.6. Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

11.0 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

LD50 oral rat > 2000 mg/kg

LD50 dermal rat > 2000 mg/kg

LC50 inhalation rat (mg/l) > 2.7 mg/l/4h

Skin corrosion/irritation: Not irritating to skin

Serious eye damage/irritation: Not irritating to eyes per GHS classification criteria

Respiratory or skin sensitization: Not a sensitizer

12.0 ECOLOGICAL INFORMATION

12.1. Toxicity

LC50 fishes	738 mg/l (rainbow trout)
EC50 Daphnia	894 mg/l
ErC ₅₀ (algae)	20.8 µg/l (Green algae)
ErC ₅₀ (Lemna)	4.24 µg/l

12.2. Persistence and degradability

No additional information available

13.0 DISPOSAL CONSIDERATIONS

Waste treatment methods

Material which cannot be used at the site should be disposed of in an approved waste disposal facility following all applicable Federal, State and Local regulations. If burned, stay out of smoke.

Product / Packaging disposal

Do not contaminate water supplies by disposal of wastes or containers. Dispose of water product through a reputable waste contractor.

14.0 TRANSPORT INFORMATION

ADR

UN number UN3077
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID,N.O.S (Tribenuron-methyl)

Transport hazard class(es): 9,

Packing group: III

Environmental hazards: yes

IMDG

UN number: UN 3077
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID,N.O.S (Tribenuron-methyl)

Transport hazard class(es): 9,

Packing group: III

Environmental hazards: yes

IATA

UN number: UN 3077
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID,N.O.S (Tribenuron-methyl)

Transport hazard class(es): 9

Packing group: III

Environmental hazards: yes

15.0 REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

15.2. Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

16.0 FURTHER INFORMATION

The information contained herein relates only to the specified material identified. CIBA AGRIPHARMA., believes that such information is accurate and reliable as of the data of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. CIBA AGRIPHARMA urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.