

MATERIAL SAFETY DATA SHEET



Product name: *Metamitron 700 g/l SC*

1. IDENTIFICATION

1.1 Identification of the substance

Product name : **Metamitron 700 g/l SC**

Chemical constituents : Suspension Concentrate containing 700 g/l Metamitron in water

Authorisation/registry no. : -

Synonyms : Metamitron 700 g/l SC
Agrichem Metamitron 700 (the Netherlands)
ND Metamitron 700 (Denmark)
Target SC (Ireland, UK, France)
Agrichim Metamitron (Belgium)
Target 700 SC (France)

1.2 Supplier

Company name : AgriChem B.V.

Address : Koopvaardijweg 9
4906 CV Oosterhout (N.B.)
The Netherlands

Tel. : ++ 31 (0) 162 431 931
Fax : ++ 31 (0) 162 456 797
e-mail : info@agrichem.nl

2. COMPOSITION

Substance	CAS-no.	Annex-1 no.	Content % or g/l	Symbol	R-phrases
Metamitron	41394-05-2	613-129-00-8	700 g/l	Xn, N	R22-50/53
Alkoxylated fatty alcohol	-	-	1-5 %	Xn	R22-36/38

3. HAZARD IDENTIFICATION

Physical hazards : No hazards known at this time.

Human health hazards : Harmful if swallowed.

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Environmental hazards : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Inhalation : Remove victim from exposure

Skin contact : Remove contaminated clothes, rinse skin with water and soap.

Eye contact : Rinse with plenty of water (remove lenses if possible). Do not flush into direction of other eye. Contact an eye doctor if necessary.

Ingestion : If patient is unconscious: do NOT induce vomiting, do NOT allow to drink. Free respiratory system (by pulling down the chin and cheek and remove any possible vomit from the mouth).
If patient is conscious: give water to drink to dilute the product. Contact doctor or local anti-poison centre to determine whether or not it is necessary to make victim vomit.

5. FIRE-FIGHTING MEASURES

Extinguishing media
- suitable : Water Spray, Foam, Dry Chemical, CO₂
- unsuitable : High pressure water-jet

Special hazards : in case of fire nitrogen oxides and carbon monoxide will be produced

Personal protection : breathing protection

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

Avoid contact with eyes, do not breathe spray.
Wear personal protective equipment (See section 8)

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6.2 Environmental precautions

Prevent spillage into the soil or the aquatic environment.
Avoid contact with vegetation and crops.

6.3 Methods for cleaning

Contain spill and absorb with sand or propriety absorbent (vermiculite). Collect contaminated material in heavy duty plastic bags or drums. Dispose of through a reputable waste disposal contractor. Final cleanup with degreasing agent or detergent is advised.

Additional advice: Never return spills in original containers for re-use.

7. STORAGE AND HANDLING

7.1 Handling

Keep product in original tightly closed container; do not get on skin, eyes or clothing.
Wear recommended personal protective equipment.

7.2 Storage

Store in locked, ventilated area. Store away from incompatible materials (strong oxidizers) and heat sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure controls

Metamitron : None established.

8.2 Engineering measures

Take into account direction of the wind.

8.3 Personal protection

Hygiene measures : Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

Respiratory Protection : Filter respirator or self containing breathing apparatus.

Eye Protection : Wear face-shield. Provide an emergence eyewash fountain and quick drench shower in the immediate work area.

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Hand Protection	: PVC or other plastic material gloves should be used when dealing with the concentrate or spray.
Skin Protection	: Wear suitable (chemical resistant) overalls and closed footwear.

9. PHYSICAL AND CHEMICAL IDENTIFICATION

Appearance	: liquid
Color	: cream-pale yellow
pH	: 6.22
	: 6.30 (1% aqueous dispersion)
Boiling point (°C)	: Not determined
Flash point (°C)	: Not applicable
Density	: 1205.0 g/cm ³
Water solubility	: Miscible
Viscosity	: 278.5-339.5 mPa.s
Surface tension	: 32.3-41.6 mN/m

10. STABILITY AND REACTIVITY

Chemical stability	: Stable at normal temperature and pressure
Conditions to avoid	: Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible products (strong oxidizers, strong bases (decomposition))
Hazardous Decomposition products	: Oxides of carbon, oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

Metamitron 700 g/l SC

Acute toxicity

LD ₅₀ (oral, rat)	: 2000 mg/kg b.w.
LD ₅₀ (dermal, rat)	: > 4000 mg/kg b.w.

Irritation

Non-irritating to skin and eyes (rabbit).

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Toxicity data

LD ₅₀ (oral, rat)	: ca. 1200 mg/kg b.w.
LD ₅₀ (oral, mice)	: ca. 650 mg/kg b.w.
LD ₅₀ (oral, dog)	: > 1000 mg/kg b.w.
LD ₅₀ (dermal, rat)	: > 4000 mg/kg b.w.
LC ₅₀ (4 h, rat)	: > 0.33 mg/l air (aerosol)

Irritation

No irritation of skin and eyes (rabbits)

12. ECOLOGICAL INFORMATION

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Ecotoxicity

Algae

E _b C ₅₀ (<i>Desmodesmus subspicatus</i>)	: 3.30 mg/l
E _r C ₅₀ (<i>Desmodesmus subspicatus</i>)	: 6.40 mg/l

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Ecotoxicity

Birds

LD ₅₀ (oral, Japanese quail)	: 1875-1930 mg/kg
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Fish

LC ₅₀ (96 h, golden orfe)	: 443 mg/l
LC ₅₀ (96 h, rainbow trout)	: 326 mg/l

Other aquatic organisms

LC ₅₀ (48 h, Daphnia)	: 101.7-206 mg/l
E _r C ₅₀ (48 h, algae)	: 0.22 mg/l (<i>Scenedesmus subspicatus</i>)

Bees

Not toxic to bees.

Worms

LC ₅₀ (<i>Eisenia foetida</i>)	: > 1000 mg/kg dry soil
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13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

Container disposal : Packaging should be disposed of at a specialised chemical waste disposal facility.

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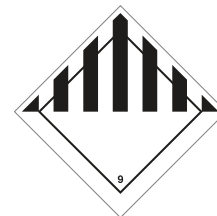
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14. TRANSPORT INFORMATION

UN-no. : 3082

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



Road transport (RID/ADR)

Class : 9,11 c)

Label : 9

Packing group: III

Sea transport (IMDG)

Class : 9

Packing group : III

Marine pollutant : Y

EmS : F-A S-F

15. REGULATORY INFORMATION

Supply classification : Harmful
Dangerous for the environment



Hazard pictogram : Xn, N

Risk phrases R22 : Harmful if swallowed.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases S2 : Keep out of reach of children
S13 : Keep away from food, drink and animal feeding stuffs
S20/21 : When using do not eat, drink or smoke
S23 : Do not breathe spray
S35 : This material and its container must be disposed of in a safe way.
S46 : If swallowed, seek medical advice immediately and show the container or label
S61 : Avoid release to the environment. Refer to special instructions/safety data sheets.

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16. OTHER INFORMATION

Presentation and writing according to the requirements of Directive 91/155/EEC

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