

SAFETY DATA SHEET

Mitron 700 SC

1. Identification of the preparation and the company Identification of the preparation

1.1 Product identification:

Naam:	Mitron BX SC
Code:	MAPP 19279
Active substance:	metamitron
Formulation type:	SC (suspension concentrate)
Concentration:	700g/L
IUPAC name:	4-amino-3-methyl-6-phenyl-1,2,4-triazine-5(4H)-one
Reach registration number:	not available

1.2 Relevant identified uses of the preparation and uses advised against

Use : herbicide / professional

1.3 Details of the supplier of the safety data sheet



BELCROP B.V.
Tiensestraat 300
3400 Landen (Belgium)
Tel.: +32/ 11.59.83.60
Fax.: +32/ 11.59.83.61
e-mail: info@belcrop.be

1.4 Emergency telephone number

Please call the local emergency number.

Belgium :

Emergency number: (24h/24h, 7d/7d.): +32/ 11.69.79.80

2. Hazards identification

2.1 Classification of the preparation

2.1.1 Classification according to Regulation No 1272/2008/EC

Acute aquatic toxicity Category 1 - (H400)
Hazardous to the Aquatic
Environment - Chronic Hazard Category 1 - (H410)

Full text of Hazard statements: see Section 16.

2.2 Label elements

Labelling according to Reg 1272/2008



Signal word: warning

Hazard Statements

H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements

P273 - Avoid release to the environment

P391 - Collect spillage

P501 - Dispose of contents/ container in accordance with national regulation

EU Specific Hazard Statements

EUH208 - Contains (1,2-Benzisothiazolin-3-one). May produce an allergic reaction

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

2.3 Other hazards

No information available

3. Composition/information on ingredients

3.1 Substances

3.2 Mixtures

component	Content	EC N°/CAS N° / index N°	Reach N°	Classification according to Regulation No 1272/2008/EC
metamitron	700 g/L 50-60 %w/w	255-349-3 / 41394-05-2 / 613-129-00-8	-	Acute tox:4 (H302) Aquatic acute: 1 (H400)
Ethylene glycol	5-10 %w/w	107-21-1 / 203- 473-3 / 603-027-00-1	01-2119456816-28	Acute Tox. 4 (H302)
Ethoxylated Polyaryphenyl sulfate, ammonium salt	1-5 %w/w	119432-41-6 / 601-612-6/ -	-	Eye Dam. 1 (H318)
Alkyl naphthalene sulfonic acid, polymer with formaldehyde, sodium salt	1-5 %w/w	68425-94-5 / 614-476-8/ -	-	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)
1,2- Benzisothiazolin -3-one	< 1 %w/w	2634-33-5 / 220-120-9 / 613-088-00-6	-	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)

Full text of Hazard statements: see Section 16.

4. First aid measures

4.1 Description of first aid measures

General advice

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Inhalation

- Move to fresh air
- Call a POISON CENTER or doctor if you feel unwell

Eye contact

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists, consult a specialist

Skin contact

- Wash off immediately with plenty of water
- If symptoms persist, call a physician

Ingestion

- Rinse mouth with water
- Call a POISON CENTER or doctor if you feel unwell

Self-protection of the first aider

- First aider: Pay attention to self-protection

4.2 Most important symptoms and effects, both acute and delayed

None known

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

5. Firefighting measures

5.1 Extinguishing media

Suitable Extinguishing Media

- Water spray
- Dry powder
- Foam
- Carbon dioxide (CO₂)

Unsuitable extinguishing media

- No information available

5.2 Special hazards arising from the substance or preparation

Hazardous combustion products

- Thermal decomposition may release toxic fumes

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Personal Precautions

- Avoid contact with skin and eyes
- Wear protective gloves/protective clothing and eye/face protection

Emergency procedures

- Evacuate personnel to safe areas

Emergency responder

- Use personal protective equipment as required
- Evacuate personnel to safe areas

6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so
- Do not allow material to contaminate ground water system
- Do not flush into surface water or sanitary sewer system

6.3 Methods and material for containment and cleaning up

Methods for containment

- Prevent further leakage or spillage if safe to do so

Methods for cleaning up

- Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container

Prevention of secondary hazards

- Clean contaminated objects and areas thoroughly observing environmental regulations

6.4 Reference to other sections

See section 8 for Exposure controls/personal protection
See section 13 for Disposal considerations

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

- Provide adequate ventilation
- Use only outdoors or in a well-ventilated area
- Ensure that eyewash stations and safety showers are close to the workstation location

General hygiene considerations

- Do not eat, drink or smoke when using this product
- Keep away from food, drink and animal feeding stuffs
- Avoid contact with skin and eyes
- Wash hands before breaks and immediately after handling the product
- Remove contaminated clothing and protective equipment before entering eating areas

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

7.3 Specific end use(s)

See section 1.2.

8. Exposure controls/personal protection

8.1 Control parameters

Exposure limits

Chemical name	EU	United Kingdom
Ethylene glycol 107-21-1	S* TWA 20 ppm TWA 52 mg/m ₃ STEL 40 ppm STEL 104 mg/m ₃	STEL: 40 ppm STEL: 104 mg/m ₃ STEL: 30 mg/m ₃ TWA: 20 ppm TWA: 52 mg/m ₃ TWA: 10mg/m ₃ Skin

8.2 Exposure controls

Engineering controls

- Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Eye/face protection

- Safety glasses with side-shields
- Eye protection must conform to standard EN 166

Hand protection

- Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed.

Wash hands frequently and always before eating, drinking, smoking or using the toilet.

- Gloves must conform to standard EN 374
- Wear protective nitrile rubber gloves
- Rate of permeability : > 480 min
- Glove thickness : > 0,4 mm

Skin and body protection

- Wear standard coveralls and Category 3 Type 4 suit.

If there is a risk of significant exposure, consider a higher protective type suit.

Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

Respiratory protection

- When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

General hygiene considerations

- Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

- Local authorities should be advised if significant spillages cannot be contained
- Do not allow into any sewer, on the ground or into any body of water
- Prevent product from entering drain

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Off-white (white; Yellowish white)	
Physical state	Liquid suspension concentrate (SC)	
Odor	paint like	
Property	VALUES	Remarks/ Method
pH	8 (1% solution)	CIPAC MT 75.3
Melting point/freezing point	No information available	
Boiling Point/Range	No information available	
Flash Point	112 °C	EC A.9
Flammability (solid, gas)	Not applicable	
Surface tension	51.8 mN/m	20°C, EC A.5, OECD 115
Relative Density	1.203 g/ml	EC A.3
Water solubility	dispersible	
Solubility in Other Solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	479 °C	EC A.15
Decomposition temperature	No information available	
Viscosity	55 - 324	20 °C, Dynamic viscosity, CIPAC MT 192
Oxidizing properties	Non oxidizing	EC A.21
Explosive properties	According to the chemical structure no explosion reaction is expected	

9.2 Other information

VOC Content	No information available
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10. Stability and reactivity

10.1 Reactivity

No information available

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition

10.5 Incompatible materials

- Strong acids
- Strong oxidizing agents

10.6 Hazardous decomposition products

Thermal decomposition giving flammable and toxic products

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral > 2000 mg/kg - OECD 420

LD50 Dermal > 2000 mg/kg - OECD 402

LC50 Inhalation > 3.49 mg/l - OECD 403

Skin corrosion/irritation

- No skin irritation
- OECD 404

Serious eye damage/eye irritation

- No eye irritation
- OECD 405

Respiratory or skin sensitization

- Skin: Did not cause sensitization
- OECD 429

Germ cell mutagenicity

- No information available

Carcinogenicity

- No information available

Reproductive toxicity

- No information available

Specific target organ toxicity (single exposure)

- No information available

Specific target organ toxicity (repeated exposure)

- No information available

Aspiration hazard

- No information available

12. Ecological information

12.1 Toxicity

EC50/72h/algae = 2.32 mg/L - OECD 201

EC50/48h/daphnia = > 100 mg/L - OECD 202

LC50/fish/96 h = > 100 mg/L - OECD 203

EC/7d/aquatic plant = 1.76 mg/L (Lemna) - OECD 221

EC/14d/aquatic plant = 2.28 mg/L (Myriophyllum) - OECD 239

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

Chemical name	Log Pow
Metamitron	0.83
Ethylene glycol	-1.93
1,2-Benzithiazolin-3-one	1.3

12.4 **Mobility in Soil**

No information available

12.5 **Results of PBT and vPvB assessment**

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)

12.6 **Other adverse effects**

No information available

13. **Disposal considerations**

13.1 **Waste treatment methods**

Waste from residues/unused products

- Dispose of in accordance with local regulations

Contaminated packaging

- Empty containers should be taken for local recycling, recovery or waste disposal

EWC waste disposal No

- 020108 - agrochemical waste containing dangerous substances

OTHER INFORMATION

- According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

14. **Transport information**

Classification ADR / IMDG

14.1 **UN number**

- ADR, IMDG, IATA : UN3082

14.2 **UN proper shipping name**

- ADR : Environmentally hazardous substance, liquid, n.o.s. (Metamitron)
- IMDG : Environmentally hazardous substance, liquid, n.o.s (Metamitron)
- IATA : Environmentally hazardous substance, liquid, n.o.s (Metamitron)

14.3 **Transport hazard class(es)**

Hazard class

- ADR, IMDG, IATA : 9

Subsidiary class

- ADR, IMDG, IATA : Not applicabl

Symbols:



14.4 Packing Group

- ADR, IMDG, IATA : III

14.5 Environmental hazards

- ADR, IATA : DANGEROUS FOR THE ENVIRONMENT
- IMDG : IMDG - Marine Pollutant

14.6 Special precautions for user

Special Provisions

- ADR : 274, 335, 375, 601
- IMDG : 274, 335, 969
- IATA : A97, A158, A197

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC CODE

- Not applicable

15. Regulatory information

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

Registration n° MAPP 19279

- To avoid risks to human health and the environment, comply with the instructions for use

15.2 Chemical safety assessment Chemical Safety Report

- A chemical safety assessment has not been carried out

16. Other information

Relevant Hazard statements

Full text of H-Statements referred to under sections 2 and 3

- H302 - Harmful if swallowed
- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H319 - Causes serious eye irritation
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects

Changes to the previous version of the safety data sheet

1.3 update supplier information

The information presented in this SDS is based on the current knowledge of the product and was collected in the existing literature. It is given in good faith and it only illustrates the aspect of security. This SDS is in addition with our information relating to the use of the formulation but in no case replaces it.

The users must be aware of the necessary precautions to take at the time of use or handling of this product. Consequently, the company can in, no case, be held responsible for damage which results, directly or indirectly, from the use of these data.

This Safety Data Sheet is in compliance with Regulation no 1907/2006/EC, Regulation (EC) No 1272/2008, Regulation no 453/2010/EC and Commission Regulation (EU) No 2015/830 of 28 May 2015