



# SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Annex II

## Goltix 70 SC

Revision Date 23-Sep-2014

Version 1

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H-183-23035-RAII / 23035 / AG-M4-700 SC

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

## Goltix 70 SC

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use	Herbicide
Uses advised against	No information available

### 1.3. Details of the supplier of the safety data sheet

Supplier Address	ADAMA Agricultural Solutions UK Ltd Unit 15, Thatcham Buisness Village Colthrop Way, Thatcham Berkshire RG19 4LW, UK : 01635 860555 Fax: 01635 861555
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For further information, please contact

Email address	ukenquiries@adama.com
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### 1.4. Emergency telephone number

Emergency Telephone	National Chemical Emergency Centre (UK): Tel: 01865 407333 (24 hours)
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## Section 2: HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity - Oral	Category 4 - (H302)
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Acute aquatic toxicity	Category 1 - (H400)
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Hazardous to the Aquatic Environment - Chronic Hazard	Category 1 - (H410)
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Classification according to Directive 67/548/EEC or 1999/45/EC

Full text of R-phrases: see section 16

Xn;R22 - N;R50

### 2.2. Label elements

## Labeling according to Regulation (EC) No. 1272/2008 [CLP]

## Hazard pictograms



<b>Signal word</b>	Warning
<b>Hazard Statements</b>	H302 - Harmful if swallowed H410 - Very toxic to aquatic life with long lasting effects
<b>Precautionary Statements</b>	P102 - Keep out of reach of children P270 - Do not eat, drink or smoke when using this product P501 - Dispose of contents/ container to an approved waste disposal plant
<b>EU Specific Hazard Statements</b>	EUH401 - To avoid risks to human health and the environment, comply with the instructions for use EUH208 - Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one. May produce an allergic reaction
<b>Additional phrases for PPP</b>	SP1 - Do not contaminate water with the product or its container

**2.3. Other hazards**

No information available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight-%	CAS No	EC No	Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Classification according to 67/548/EEC	M-Factor	REACH Registration Number
Metamitron	55-62	41394-05-2	255-349-3	613-129-00-8	Acute Tox. 4 (H302) Aquatic Acute 1 (H400)	Xn; R22 N; R50	M=1	-

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

### Section 4: FIRST AID MEASURES

**4.1. Description of first aid measures**

<b>General advice</b>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection!.
<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required.

#### **4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms** None known

#### **4.3. Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

### **Section 5: FIRE-FIGHTING MEASURES**

#### **5.1. Extinguishing media**

##### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### **Unsuitable Extinguishing Media**

No information available.

#### **5.2. Special hazards arising from the substance or mixture**

No specific hazard known.

#### **5.3. Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus  
In the event of fire and/or explosion do not breathe fumes

### **Section 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **Personal precautions**

Use personal protective equipment as required.

##### **For emergency responders**

Use personal protection recommended in Section 8.

#### **6.2. Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

#### **6.3. Methods and material for containment and cleaning up**

##### **Methods for cleaning up**

Take up mechanically, placing in appropriate containers for disposal.

#### **6.4. Reference to other sections**

##### **Other Information**

See also section 8,13

### **Section 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling****Advice on safe handling**

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

**General Hygiene Considerations**

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

**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)****Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye/face protection** Tight sealing safety goggles.  
**Body Protection** Suitable protective clothing.

**General Hygiene Considerations** When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
<b>Appearance</b>			
Physical state	: liquid		
Color	: beige		
Odor	: Slight		
<b>Odor threshold</b>	: No data available		
<b>pH</b>	: 5.8 - 6.8	CIPAC MT 75	solution (1 %)
<b>Melting point/freezing point °C</b>	: ----		Not Applicable
<b>Boiling point/boiling range °C</b>	: No data available		
<b>Flash point °C</b>	: > 73		
<b>Evaporation rate</b>	: Not Applicable		

<b>Flammability (solid, gas)</b>	:	Not applicable for liquids	
<b>Upper/lower flammability or explosive limits</b>	:	No data available	
<b>Vapor pressure kPa</b>	:	----	Not Applicable
<b>Vapor density</b>	:	No data available	
<b>Relative density</b>	:	1.2	OECD 109
<b>Solubility(ies) mg/l</b>	:	----	Not Applicable
<b>Partition Coefficient (n-octanol/water) Log Pow</b>	:		See Section 12 for more information
<b>Autoignition temperature °C</b>	:	475	EEC A.15
<b>Decomposition temperature °C</b>	:	No data available	
<b>Kinematic viscosity mm<sup>2</sup>/s 40 °C</b>	:	130	CIPAC MT 114
<b>Explosive properties</b>	:	Not an explosive	EEC A.14
<b>Oxidizing properties</b>	:	No	

**9.2. Other information**

<b>Bulk density g/ml</b>	:	----	Not Applicable
<b>Surface tension mN/m</b>	:	51.5	OECD 115
<b>Minimum ignition energy (MIE) mJ</b>	:		

**Section 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Not available.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

None under normal processing.

**10.4. Conditions to avoid**

Heat, flames and sparks.

**10.5. Incompatible materials**

No information available

**10.6. Hazardous decomposition products****Section 11: TOXICOLOGY INFORMATION****11.1. Information on toxicological effects****Acute toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
<b>Oral LD50 mg/kg</b>	: 300-2000	Rat	OECD 423	
<b>Dermal LD50 mg/kg</b>	: > 4000	Rat	OECD 402	
<b>Inhalation LC50 mg/l/4h</b>	: > 1.878	Rat	OECD 403	Maximum attainable concentration
<b>Skin corrosion/irritation</b>	: Non-irritating to the skin	Rabbit	OECD 404	
<b>Serious eye damage/eye irritation</b>	: Not irritating to eyes	Rabbit	OECD 405	
<b>Respiratory/skin sensitization</b>	: Not a skin sensitizer	Guinea pig	OECD 406	

**Chronic toxicity**

**Germ cell mutagenicity****Chemical Name**

Metamitron : Not classified

**Carcinogenicity****Chemical Name**

Metamitron : Not Carcinogenic

**Reproductive toxicity****Chemical Name**

Metamitron : Not toxic for the reproductive system

**STOT - single exposure****Chemical Name**

Metamitron : No data available

**STOT - repeated exposure****Chemical Name**

Metamitron : No data available

**Aspiration hazard****Chemical Name**

Metamitron : No data available

**Section 12: ECOLOGICAL INFORMATION****12.1. Toxicity****Aquatic toxicity**

<b>Acute toxicity</b>	<b>Values</b>	<b>Species</b>	<b>Method</b>	<b>Remarks</b>
<b>Fish 96-hour LC50 mg/l</b>	: > 200	Rainbow trout	OECD 203	
<b>Crustacea 48-hour EC50 mg/l</b>	: 136.1	Daphnia magna	OECD 202	
<b>Algae 72-hour EC50 mg/l</b>	: 0.56	P. subcapitata	OECD 201	
<b>Other plants EC50 mg/l</b>	: 2.51	Lemna	OECD 221	7 days

**Terrestrial Toxicity****Birds Oral LD50 mg/kg****Chemical Name**

Metamitron : 1302 Japanese quail OECD 401

**Bees Oral LD50 µg/bee****Chemical Name**

Metamitron : &gt; 97.2 OECD 213

**12.2. Persistence and degradability****Abiotic Degradation****Water DT50 days****Chemical Name**

Metamitron : 10.8 - 11.4 BBA IV: 5-1 pH 8, 20 ° C

**Soil DT50 days****Chemical Name**

Metamitron : 2 - 45

**Biodegradation****Chemical Name**

Metamitron : Not readily biodegradable OECD 301 D

**12.3. Bioaccumulative potential**

<b>Partition Coefficient (n-octanol/water) Log Pow Chemical Name</b>	<b>Values</b>	<b>Method</b>	<b>Remarks</b>
Metamitron	: 0.85	OECD 107	21 ° C

**Bioconcentration factor (BCF)**

<b>Chemical Name</b>	<b>Values</b>	<b>Method</b>	<b>Remarks</b>
Metamitron	:		No data available

**12.4. Mobility in soil**

<b>Adsorption/Desorption Chemical Name</b>	<b>Values</b>	<b>Method</b>	<b>Remarks</b>
Metamitron	: 122.3		Koc

**12.5. Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB

**12.6. Other adverse effects**

No information available.

**Section 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal.
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

**Section 14: TRANSPORTATION INFORMATION****IMDG/IMO**

<b>14.1 UN/ID No</b>	3082
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Metamitron )
<b>14.3 Hazard Class</b>	9
<b>14.4 Packing Group</b>	III
<b>14.5 Marine pollutant</b>	Yes
<b>14.6 Special precautions for user</b>	

**RID/ADR**

<b>14.1 UN/ID No</b>	3082
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Metamitron )
<b>14.3 Hazard Class</b>	9
<b>14.4 Packing Group</b>	III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special precautions for user</b>	

**ICAO/IATA**

<b>14.1 UN/ID No</b>	3082
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Metamitron )
<b>14.3 Hazard Class</b>	9

14.4 Packing Group	III
14.5 Environmental hazard	Yes
14.6 Special precautions for user	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable



## Section 15: REGULATORY INFORMATION

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

### 15.2. Chemical safety assessment

A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required. A risk assessment was performed according to directive (EC) No. 91/414 or according to regulation (EC) No. 1107/2009.

## Section 16: OTHER INFORMATION

### Full text of R-phrases referred to under sections 2 and 3

R22 - Harmful if swallowed

R50 - Very toxic to aquatic organisms

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

H302 - Harmful if swallowed

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

### Revision Note

\*\*\* - Change from previous version.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

### Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet