Goltix 70 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

For further information, please contact

Email address: ukenquiries@adama.com

1.4. Emergency telephone number

Emergency Telephone: National Chemical Emergency Centre (UK):
Tel: 01865 407333 (24 hours)

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

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

- !
- ⚠️

Signal word
Warning

Hazard Statements
H302 - Harmful if swallowed
H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements
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

EU Specific Hazard Statements
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
SP1 - Do not contaminate water with the product or its container

2.3. Other hazards
No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight-%</th>
<th>CAS No</th>
<th>EC No</th>
<th>Index No</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>Classification according to 67/548/EEC</th>
<th>M-Factor</th>
<th>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metamitron</td>
<td>55-62</td>
<td>41394-05-2</td>
<td>255-349-3</td>
<td>613-129-00-8</td>
<td>Acute Tox. 4 (H302)</td>
<td>Water: R; R51</td>
<td>Xn; R22</td>
<td>N; R50</td>
</tr>
</tbody>
</table>

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

General advice
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!

Inhalation
Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Skin Contact
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.
Eye contact  
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.

Ingestion  
Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.

Self-protection of the first aider  
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Method</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical state</td>
<td>liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>beige</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>5.8 - 6.8</td>
<td>CIPAC MT 75</td>
<td>solution (1 %)</td>
</tr>
<tr>
<td>Melting point/freezing point °C</td>
<td>----</td>
<td></td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Boiling point/boiling range °C</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point °C</td>
<td>&gt; 73</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
9.2. Other information

Not available.

10. 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

See Section 12 for more information

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Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Values</th>
<th>Species</th>
<th>Method</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50 mg/kg</td>
<td>300-2000</td>
<td>Rat</td>
<td>OECD 423</td>
</tr>
<tr>
<td>Dermal LD50 mg/kg</td>
<td>&gt; 4000</td>
<td>Rat</td>
<td>OECD 402</td>
</tr>
<tr>
<td>Inhalation LC50 mg/l/4h</td>
<td>&gt; 1.878</td>
<td>Rat</td>
<td>OECD 403</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Non-irritating to the skin

Serious eye damage/eye irritation: Not irritating to eyes

Respiratory/skin sensitization: Not a skin sensitizer

Chronic toxicity
Goltix 70 SC  -  HRB00800-44/1

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

<table>
<thead>
<tr>
<th>Values</th>
<th>Species</th>
<th>Method</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish</td>
<td>96-hour LC50 mg/l</td>
<td>&gt; 200</td>
<td>Rainbow trout</td>
</tr>
<tr>
<td>Crustacea</td>
<td>48-hour EC50 mg/l</td>
<td>136.1</td>
<td>Daphnia magna</td>
</tr>
<tr>
<td>Algae</td>
<td>72-hour EC50 mg/l</td>
<td>0.56</td>
<td>P. subcapitata</td>
</tr>
<tr>
<td>Other plants</td>
<td>EC50 mg/l</td>
<td>2.51</td>
<td>Lemna</td>
</tr>
</tbody>
</table>

Terrestrial Toxicity
Birds Oral LD50 mg/kg
Chemical Name
Metamitron  :  1302 Japanese quail | OECD 401 |

Bees Oral LD50 μg/bee
Chemical Name
Metamitron  :  > 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

Partition Coefficient (n-octanol/water) Log Pow

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Values</th>
<th>Method</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metamitron</td>
<td>0.85</td>
<td>OECD 107</td>
<td>21 ° C</td>
</tr>
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</table>

Bioconcentration factor (BCF)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Values</th>
<th>Method</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metamitron</td>
<td></td>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Values</th>
<th>Method</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metamitron</td>
<td>122.3</td>
<td>Koc</td>
<td></td>
</tr>
</tbody>
</table>

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

Waste from residues/unused products
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging
Improper disposal or reuse of this container may be dangerous and illegal.

Other Information
Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORTATION INFORMATION

IMDG/IMO

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Proper shipping name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
<th>Marine pollutant</th>
<th>Special precautions for user</th>
</tr>
</thead>
<tbody>
<tr>
<td>3082</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Metamitron)</td>
<td>9</td>
<td>III</td>
<td>Yes</td>
<td>tidy</td>
</tr>
</tbody>
</table>

RID/ADR

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Proper shipping name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
<th>Environmental hazard</th>
<th>Special precautions for user</th>
</tr>
</thead>
<tbody>
<tr>
<td>3082</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Metamitron)</td>
<td>9</td>
<td>III</td>
<td>Yes</td>
<td>tidy</td>
</tr>
</tbody>
</table>

ICAO/IATA

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Proper shipping name</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>3082</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Metamitron)</td>
<td>9</td>
</tr>
</tbody>
</table>
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

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