

Safety Data Sheet according to EC-Regulation 91/155/EEC

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Goltix WG **700 g/kg Metamitron**

Use of the substance/preparation

Herbicide

Company/undertaking identification

Makhteshim Agan (UK) Limited, Unit 16, Thatcham Business Village Colthrop Way, UK-Thatcham, Berkshire RG19 4LW
Telephone 01635 860555, Fax 01635 861555

Emergency telephone / Office for advice

Advisory office in case of poisoning:

Tel.: National Chemical Emergency Centre Tel. 01865 407333

Telephone number of the company in case of emergencies:

Tel.

2. Composition/information on ingredients

Formulation:

Water-dispersible granulate

2.1 Chemical name	content %	symbol	R-phrases	CAS	EINECS, ELINCS
4-amino-3-methyl-6-phenyl-1,2,4-triazin-5-one	60 - 80	Xn/N	22-50-53		255-349-3
China stone	1 - 10	---	---	1332-58-7	

For complete wording of the R-phrases, refer to point 16.

3. Hazards identification

3.1 To people

See point 11 and 15.

Preparation is classified as hazardous in the sense of directive 1999/45/EC.

Ingestion:

Product is dangerous to health.

3.2 To the environment

See point 12.

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

4. First aid measures

4.1 Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

4.2 Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

4.3 Skin contact

Wash thoroughly with soap and copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

4.4 Ingestion

Call doctor immediately - have Data Sheet available.

4.5 Special resources necessary for first aid

n.g.

5. Fire-fighting measures

5.1 Suitable extinguishing media

Adapt to the nature and extent of fire.

5.2 Extinguishing media which must not be used for safety reasons

k.D.v.

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Hydrocyanic acid (hydrogen cyanide)

Oxides of sulphur

5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply

According to size of fire

Full protection, if necessary

5.5 Further information

Dispose of contaminated extinction water according to official regulations.

6. Accidental release measures

Refer to point 13. and for personal protection refer to point 8.

6.1 Personal precautions

Ensure sufficient supply of air.

Avoid build up of dust.

Avoid inhalation, and contact with eyes or skin.

6.2 Environmental measures

If leakage occurs, dam up.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods for cleaning up

Collect mechanically and dispose of according to point 13.

Flush residue using copious water.

7. Handling and storage

7.1 Handling

Tips for safe handling:

See point 6.1

Ensure good ventilation.

Avoid build up of dust.

Wash hands before breaks and at end of work.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

General hygiene measures for the handling of chemicals are applicable.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

7.2. Storage

Requirements for storage rooms and containers:

Observe regulations for keeping separated.

Store products only unopened, in original packing.

Suitable container:

HDPE, LDPE

Special storage conditions:

See point 10.2

Store at room temperature.

Protect against moisture and store closed.


8. Exposure controls/personal protection

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the OES, MEL or MAK values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Chemical name	content %	OES, MEL, MAK, TRK	BMGV, BAT
general dust limit		10 mg/m3 (inhal. dust), 4 mg/m3 (respir. dust)	

general dust limit		10 mg/m ³ (total inhal. dust), 4 mg/m ³ (respir. dust)
China stone	1 - 10	2 mg/m ³ (resp. dust)
 China stone	1 - 10	2 mg/m ³
8.1 Respiratory protection:		Normally not necessary.
If the general dust-limit is exceeded, breathing masks with fine-dust filters are necessary (EN 143).		
8.2 Hand protection:		Chemical resistant protective gloves (EN 374).
If applicable		
Protective nitrile gloves (EN 374)		
Protective hand cream recommended.		
8.3 Eye protection:		Tight fitting protective goggles with side protection (EN 166).
8.4 Skin protection:		Protective working garments (e.g. safety shoes EN 344, long-sleeved protective working garments)
Additional information on hand protection - No tests have been performed.		
Selection made for preparations according to the best available knowledge and information on the ingredients.		
Selection of materials derived from glove manufacturer's indications.		
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.		
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.		
In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.		

9. Physical and chemical properties

Physical state:	Granulate , Solid
Colour:	White
Odour:	Slightly , Characteristic
pH-value undiluted:	n.v.
10 % pH-value:	3,5 - 4,5 (CIPAC MT75)
Boiling point / range (°C):	n.v.
Melting point / range (°C):	k.D.v.
Flash point (°C):	n.a. (EEC A10)
Flammability (solid/gas):	No
Autoflammability:	n.g.
Oxidising properties:	n.g.
Minimum limit of explosion:	n.a. (EEC A14)
Maximum limit of explosion:	n.a. (EEC A14)
Product is not explosive.	
Relative density (g/ml):	0,64 (CIPAC MT 169)
Solubility in water:	Dispersion
Partition coefficient (n-octanol/water):	log Pow 0,85 (21°C) (OECD 107) *
Vapour density (air = 1):	n.g.
Viscosity:	n.g.
Surface tension:	n.g.
* 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5-one	

10. Stability and reactivity

10.1 Conditions to avoid

See point 7

Stable when handled and stored correctly.

Protect from humidity.

Strong heat

10.2 Materials to avoid

See point 7

Avoid contact with other chemicals.

Avoid contact with strong oxidizing agents.

10.3 Hazardous decomposition products

See point 5.3

11. Toxicological information

11.1 Acute toxicity and immediate effects

11.1.1 Ingestion, LD50 rat oral (mg/kg): 1350 (female) - 2950 (male) (OECD 401)

11.1.2 Inhalation, LC50 rat inhal.(mg/l/4h): > 1418 (OECD 403)

11.1.3 Skin contact, LD50 rat dermal (mg/kg): > 5000 (OECD 402)

11.1.4 Eye contact: Not irritant
(OECD 404 + 405)

11.2 Delayed and chronic effects

11.2.1 Sensitization:

No (skin contact) (Buehler Patch Test) *

11.2.2 Carcinogenicity:

No (OECD) *

11.2.3 Mutagenicity:

Negative (in vitro and in vivo, OECD) *

11.2.4 Reproductive toxicity:

NOAL rat 50 ppm (OECD) *

11.2.5 Narcosis:

k.D.v.

11.3. Further information

Classification based on toxicological analyses.

* 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5-one

12. Ecological information

Water hazard class: 2
Self classification: Yes (VwVwS)
Persistence and degradability: n.v.
Behaviour in sewage plants: k.D.v.
Aquatic toxicity:
Toxicity to fish:
LC50 194 mg/l/96h (OECD 203)
Toxicity to daphnia:
EC50 206 mg/l/48h (OECD 202)
Toxicity to algae:
ErC50 4,5 mg/l/72h (ISO/DIS 8692)
EbC50 1,5 mg/l/72h (ISO/DIS 8692)
Ecological toxicity: k.D.v.

13. Disposal considerations

13.1. for the material / preparation / residue

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

02 01 08 - agrochemical waste containing dangerous substances

07 04 99 - wastes not otherwise specified

20 01 19 - pesticides

Recommendation:

Pay attention to local and national official regulations

Implement substance recycling.

E.g. suitable incineration plant.

13.2 for contaminated packing material

See point 13.1

Pay attention to local and national official regulations

Empty container completely.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

14. Transport information

General statements

UN-Number: 3077

Road/Rail-transport (ADR/RID)

Class/packing-group: 9/III

UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (METAMITRON)

Classification code: M7

LQ: 27

Transport by sea

IMDG-code: 9/III (class/packing-group)

EmS: F-A, S-F

Marine Pollutant: n.a.

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (METAMITRON)

Transport by airIATA: 9-/III (class/secondary danger/packing-group)
Environmentally hazardous substance, solid, n.o.s. (METAMITRON)**Additional information:**

Danger code and packing code on request.

15. Regulatory information**Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)**

Symbols: Xn/N

Indications of danger:

Harmful

Dangerous for the environment

R-phrases:

22 Harmful if swallowed.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases:

(2) Keep out of the reach of children.

29/35 Do not empty into drains

dispose of this material and its container in a safe way.

36/37 Wear suitable protective clothing and gloves.

(46) If swallowed, seek medical advice immediately and show this container or label.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Additions:

To avoid risks to man and the environment, comply with the instructions for use.

4-amino-3-methyl-6-phenyl-1,2,4-triazin-5-one

Observe restrictions:

Yes

Observe youth employment law (German regulation).

Observe law on protection of expectant mothers (German regulation).

Observe restrictive guidelines 76/769/EEC, 1999/51/EC, 1999/77/EC

VOC 1999/13/EC ---

Xn



N

**16. Other information**

These details refer to the product as it is delivered.

Storage class VCI (Germany):

11/13

Revised points:

n.a.

Observe plant protection medium law.

22 Harmful if swallowed.

50 Very toxic to aquatic organisms.

53 May cause long-term adverse effects in the aquatic environment.

Legend:

n.a. = not applicable / n.v., k.D.v. = not available / n.g. = not checked / OES = Occupational exposure standard
 MEL = Maximum exposure limit / BMGV = Biological monitoring guidance value / MAK = Maximum concentration for work place (Germany) / TRK = Technical guidance concentration (Germany) / BAT = Biological tolerance for work place (Germany)
 VbF = Regulations for flammable liquids (Germany) / TRbF = Technical regulations for flammable liquids (Germany)
 WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water
 VOC-CH=Volatile organic compounds(VOCV - Switzerland)/AOX=Adsorbable organic halogen compounds
 VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

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