



SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1272/2008 (REACH) Annex II

DEVOID

Revision Date	28-February-2018	Version	2	Product No	JTA/UK/001
Publish Date	28-February-2018				

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

1.1. Product identifier

DEVOID

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	JT Agro Ltd 1 Bell Street, Maidenhead, Berkshire, SL6 1BU, U.K. Tel: +44 1628 421599 Fax: +44 1628 421623
-------------------------	--

For further information, please contact

Email address	info@jtagro-cropthetics.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 Environment - Chronic Hazard 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 the product

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection

P391 - Collect spillage

P501 - Dispose of contents/ container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

EU Specific Hazard Statements

EUH208 - Contains 5-chloro-2-methyl-isothiazol-3-one/2-methyl-isothiazol-2-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

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) Aquatic Chronic 1 (H401)	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

General advice

In case of accident or un-wellness, 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 and 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 the 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>
Apperance			
Physical State	Liquid		
Colour	Beige		
Odour	Slight		
Odour threshold	No data available		
pH	5.8 - 6.8	CIPAC MT 75	Solution (1%)
Melting point/freezing point °C	-		Not applicable
Boiling point/boiling range °C	No data available		
Flash point °C	> 73		
Evaporation rate	Not applicable		
Flammability (solid, gas)	Not applicable for liquids		
Upper/lower flammability or explosive limits	No data available		
Vapour pressure kPa	-		Not Applicable
Vapour density	No data available		
Relative density	1.2	OECD 109	
Solubility(ies) mg/l	-		Not Applicable
Parition Coefficient (n-octanol/water) Log Pow			See Section 12 for more information
Autoignition temperature °C	475	EEC A. 15	
Decomposition temperature °C	No data available		
Kinematic viscosity mm²/s 40 °C	130	CIPAC MT 114	20°C
Explosive properties	Not an explosive	EEC A. 14	
Oxidizing properties	No		

9.2. Other information

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Bulk density g/ml	-		Not applicable
Surface tension mN/m	51.5	OECD 115	
Minimum ignition energy (MIE) mJ	-		

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

No information available

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Acute toxicity

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

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Acute toxicity				
Fish 96-hour LC50 mg/l	> 200	Rainbow trout	OECD 203	
Crustacea 48-hour EC50 mg/l	136.1	Daphnia magna	OECD 202	
Algae 72-hour EC50 mg/l	0.56	P. subcapitata	OECD 201	
Other plants EC50 mg/l	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	> 97.2		OECD 213
------------	--------	--	----------

12.2. Persistence and degradability

Abitoic Degradation	Values	Method	Remarks
Water DT50 days			
Chemical Name			
Metamitron	10.8 - 11.4	BB 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	Values	Method	Remarks
(n-octanol/water) Log Pow			
Chemical Name			
Metamitron	0.85	OECD 107	21 °C
Bioconcentration factor (BCF)			
Chemical Name			
Metamitron			No data available

12.4. Mobility in soil

Adsorption/Desorption	Values	Method	Remarks
Chemical Name			
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

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

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

RID/ADR

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

ICAO/IATA

14.1 UN/ID No	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Metamitron)
14.3 Hazard Class	9
14.4 Packing Group	III
14.5 Marine pollutant	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. 1272/2008 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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008

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

