



# Safety Data Sheet

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006

## OBLIX MT

Preparation Date 03-Apr-2014

Revision date 20-Dec-2018

Revision Number: 2

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

#### 1.1 Identification of the product

**Product code** HDH01  
**Product Description:** OBLIX MT  
**Formulation** Ethofumesate/Metamitron 150/350 g/L SC  
**Synonyms** Volcano  
Metafol Super

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Recommended use** Herbicide  
**Sector(s) of use** SU1 - Agriculture, forestry, fishery  
**Product category** PC27 - Plant protection products

#### 1.3 Details of the Supplier of the Safety Data Sheet

**Supplier** UPL Europe Ltd  
The Centre  
Birchwood Park  
Warrington  
WA3 6YN Cheshire  
UK  
**E-mail address** info.uk@uniphos.com

#### 1.4 Emergency Telephone Number

Emergency Telephone (CARECHEM 24): +44 (0) 1235 239670

United Kingdom	NHS no. 111
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## Section 2: HAZARDS 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

Chronic Aquatic Toxicity                      Category 2 - H411

#### Additional information

For the full text of the H-Statements mentioned in this Section, see Section 16

### 2.2 Label elements

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



signal word

WARNING

#### Hazard Statements

H302 - Harmful if swallowed

H410 - Very toxic to aquatic life with long lasting effects

#### Precautionary statements

P270 - Do not eat, drink or smoke when using this product

P273 - Avoid release to the environment

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

P391 - Collect spillage

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

#### EU Specific Hazard Statements

- EUH401 - To avoid risks to human health and the environment, comply with the instructions for use
- EUH208 - Contains ( 1,2-Benzisothiazol-3(2H)-one ). May produce an allergic reaction

### 2.3 Other Hazards

No information available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

Chemical name	CAS No	EC No	Index-No.	REACH No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
metamitron	41394-05-2	255-349-3	613-129-00-8	-	30 - 40	Acute Tox. 4 (H302) Aquatic Acute 1 (H400)
Ethofumesate	26225-79-6	247-525-3	607-314-00-2	-	10 - 20	Aquatic Chronic 2 (H411)
Fatty Alcohol Ethoxylate	68131-39-5	-	-	-	1 - 5	Eye Dam. 1 (H318) Acute Tox. 4 (H302) Aquatic Acute 1 (H400)
1,2-Benzisothiazolin-3-one	2634-33-5	220-120-9	613-088-00-6	-	< 1	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)

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 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**

- Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes
- If eye irritation persists, consult a specialist

#### **Skin contact**

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

#### **Ingestion**

- Do NOT induce vomiting
- 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

#### **Symptoms**

- No information available

### 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**

- Water spray
- Dry powder
- Foam
- Carbon dioxide (CO<sub>2</sub>)

#### **Unsuitable extinguishing media**

- No information available

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

#### **Hazardous combustion products**

- Thermal decomposition may release toxic fumes

### 5.3 Advice for Firefighters

- Wear self-contained breathing apparatus and protective suit

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**Section 6: ACCIDENTAL RELEASE MEASURES**

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**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
- Keep away from flames and hot surfaces
- Keep away from heat

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

**Methods for cleaning up**

- Take up mechanically, placing in appropriate containers for disposal

**Prevention of secondary hazards**

- Clean contaminated objects and areas thoroughly observing environmental regulations

**6.4 Reference to other sections**

- No information available

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**Section 7: HANDLING AND STORAGE**

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

- Provide adequate ventilation
- Use personal protection equipment
- 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
- 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**

- Keep container tightly closed in a dry and well-ventilated place

**7.3 Specific end uses**

- Please refer to the product labeling and packaging for information about appropriate use

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## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1 Control Parameters

#### Exposure Limits

- Apply technical measures to comply with the occupational exposure limits
- <https://www.dguv.de/ifa/gestis/index-2.jsp>
- <https://osha.europa.eu/en/themes/dangerous-substances>

#### 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

- 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 • 2003 JKL, EN388 4121
- Material : Nitrile rubber/Nylon
- Glove thickness : 0.5 mm
- Rate of permeability : > 480 min

##### 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 drains

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	white	
<b>Physical state</b>	Liquid suspension concentrate (SC)	
<b>Odor</b>	characteristic	
<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
<b>pH</b>	6.3 - 7.4	(1% solution)
<b>Melting point/freezing point</b>	No information available	
<b>Boiling Point/Range</b>	No information available	
<b>Flash Point</b>	> 75 °C	EEC A.9
<b>Flammability (solid, gas)</b>	Not applicable	
<b>Surface tension</b>	25 - 28 mN/m	EC A.5
<b>Relative Density</b>	1.1401	EEC A.3
<b>Water solubility</b>	Miscible with water	
<b>Solubility in Other Solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity</b>	42 - 51 mPas	OECD 114 Dynamic viscosity
<b>Oxidizing properties</b>	Non oxidizing	
<b>Explosive properties</b>	Not an explosive	

### 9.2 OTHER INFORMATION

**VOC Content** No information available

## Section 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.
- Carbon oxides
- Nitrogen oxides (NO<sub>x</sub>)
- Oxides of sulfur



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**Section 11: TOXICOLOGICAL INFORMATION**

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**11.1 Information on Toxicological Effects****Acute toxicity**

*LD50 Oral* > 300 mg/kg (rat) - OECD 420

*LD50 Dermal* > 2000 mg/kg (rat) - OECD 402

**Skin corrosion/irritation**

- No skin irritation

**Serious eye damage/eye irritation**

- No eye irritation

**Respiratory or skin sensitization**

- Not a skin sensitizer

**Germ cell mutagenicity**

- No information available

**Carcinogenicity**

- No information available

**Reproductive toxicity**

- No information available

**Summary of evaluation of the CMR properties**

- 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

## Section 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

EC50/72h/algae = 1.31 mg/L (OECD 201)

EC50/48h/daphnia = 69 mg/L (OECD 202)

EC50/7d/Lemna= 2.91 mg/L (OECD 221)

Chemical name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
metamitron	E <sub>b</sub> C <sub>50</sub> 72 h: = 0.4 mg/L Biomass E <sub>r</sub> C <sub>50</sub> 72 h: = 1.8 mg/L Grow rate (Pseudokirchneriella subcapitata)	EC50 96 h: > 190mg/L (Oncorhynchus mykiss)	-	EC50 48 h: = 5.7 mg/L (Daphnia magna)
Ethofumesate	EyC <sub>50</sub> 72h: = 9.68 mg a.s./L (Pseudokirchneriella subcapitata)	LC50 96 h: = 10.92 mg a.s./L (Cyprinus carpio)	-	EC50 96 h: = 13.52 mg a.s./L (Daphnia magna) <b>Eastern oyster</b> EC50 96 h: = 1.7 mg a.s./L (Crassostrea virginica)

### 12.2 Persistence and Degradability

- No information available

### 12.3 Bioaccumulative Potential

- -

Chemical name	Log Pow
metamitron	0.83
Ethofumesate	2.7
1,2-Benzisothiazolin-3-one	1.3

### 12.4 Mobility in Soil

- No information available

### 12.5 Results of PBT and vPvB Assessment

- No information available

### 12.6 Other Adverse Effects

- No information available

## Section 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

## Section 14: TRANSPORTATION INFORMATION

### 14.1 UN Number

- ADR, IMDG, IATA : UN3082

### 14.2 UN proper shipping name

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

### 14.3 Transport Hazard Class(es)

#### Hazard class

- ADR, IMDG, IATA : 9

#### Subsidiary class

- ADR, IMDG, IATA : Not applicable

### 14.4 Packing Group

- ADR, IMDG, IATA : III

### 14.5 Environmental Hazards

- ADR, IATA : Yes
- 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

**Section 15: REGULATORY INFORMATION****15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture**

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

Registration n° MAPP 18857

**15.2 Chemical safety assessment**

- For this substance a chemical safety assessment has not been carried out

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**Section 16: OTHER INFORMATION**

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**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
- H400 - Very toxic to aquatic life
- H411 - Toxic to aquatic life with long lasting effects
- H412 - Harmful to aquatic life with long lasting effects

**Abbreviations and acronyms**

- ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
- IMDG : International Maritime Dangerous Goods Code
- IATA : International Air Transport Association
- EC No : EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- CAS : Chemical Abstracts Service
- CLP : Classification, Labelling and Packaging = Regulation (EC) No 1272/2008
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
- Very Persistent and very Bioaccumulative (vPvB) Chemicals
- EWC : European Waste Catalogue

**Preparation Date** 03-Apr-2014

**Revision date** 20-Dec-2018

**Reason for revision** **New formatting**

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 + Commission Regulation (EU) No 2015/830 of 28 May 2015**

**Disclaimer**

The information contained is based on our knowledge of the product at the date of publishing.

It applies to the PRODUCT AS SUCH. In case of formulation or mixture, make sure that a new danger will not appear.

Users are advised of possible additional hazards when the product is used in applications for which it was not intended.

This sheet shall only be used and duplicated for prevention and Safety purposes.

For rates and use recommendations, refer to the information displayed on the packaging.

It is the responsibility of the handlers of the product to pass on this safety data sheet to any subsequent persons who will come into contact with the product.

**End of Safety Data Sheet**