

## TARGET SC

Preparation Date 10-Apr-2014

Revision date 16-Jan-2015

Revision Number: 2

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Identification of the product

Product code HBT08  
Product Description: TARGET SC  
Synonyms METAMITRON 700 G/L SC  
Pure substance/preparation Preparation

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

Recommended use Herbicide

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

Supplier UPL Europe Ltd  
The Centre  
Birchwood Park  
Warrington  
WA3 6YNCheshire  
UK  
Tel. : +44 (0) 1925 819999  
Fax : +44 (0) 1925 856075  
E-mail address info.uk@uniphos.com

#### 1.4 Emergency Telephone Number

Emergency telephone number **(CARECHEM 24): +44 (0) 1235 239670**

United Kingdom NHS no. 111

## 2. Hazards Identification

### 2.1 Classification of the mixture

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

**Symbol(s)** Xn - Harmful  
N - Dangerous for the environment

**R-code(s)** Xn;R22 N;R50

For the full text of the R phrases mentioned in this Section, see Section 16

#### Classification according to regulation (EC) No 1272/2008 (CLP)

Acute oral toxicity Category 4 - H302

Chronic aquatic toxicity Category 2 - H411

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

### 2.2 Label elements

#### Labelling according to EU Directives 67/548/EEC or 1999/45/EC



#### Symbol(s)

Xn - Harmful  
N - Dangerous for the environment

#### R -phrase(s)

R22 - Harmful if swallowed  
R50 - Very toxic to aquatic organisms

#### S -phrase(s)

S 2 - Keep out of the reach of children  
S13 - Keep away from food, drink and animal feedingstuffs  
S20/21 - When using, do not eat, drink or smoke  
S23 - Do not breathe vapour  
S46 - If swallowed, seek medical advice immediately and show this container or label  
S35 - This material and its container must be disposed of in a safe way  
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets

#### Labelling according Regulation (EC) No 1272/2008 (CLP)



signal word

WARNING

**hazard statements**

H302 - Harmful if swallowed

H411 - Toxic to aquatic life with long lasting effects

**Precautionary Statements - EU (§28, 1272/2008)**

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

**2.3 Other Hazards**

No information available

**3. Composition/information on Ingredients****3.2. MIXTURES**

Chemical name	EC No	CAS-No	Weight %	Classification (Dir.67/548)	EU - GHS Substance Classification	REACH No.
Metamitron	255-349-3	41394-05-2	50 - 60	Xn; R22 N; R50	Acute Tox. 4 (H302) Aquatic Acute 1 (H400)	no data available
Nonionic proprietary surfactant blend	-	-	1 - 5	Xn;R22 Xi;R41 N;R50	Eye Dam. 1 (H318) Acute Tox. 4 (H302) Aquatic Acute 1 (H400)	no data available

For the full text of the R phrases mentioned in this Section, see Section 16

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

## 4. First aid measures

### 4.1 Description of first-aid measures

<b>General advice</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists, consult a specialist
<b>Skin contact</b>	Wash off immediately with plenty of water If symptoms persist, call a physician
<b>Ingestion</b>	Rinse mouth with water Call a POISON CENTER or doctor/physician if you feel unwell
<b>Inhalation</b>	Move to fresh air Call a POISON CENTER or doctor/physician if you feel unwell

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

No information available.

### 4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.

## 5. Fire-fighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Water spray Dry powder Foam Carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable extinguishing media</b>	No information available.

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

<b>Special Hazard</b>	Thermal decomposition may release toxic fumes.
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### 5.3 Advice for Firefighters

Wear self-contained breathing apparatus and protective suit

## 6. Accidental release measures

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

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 materials for containment and cleaning up

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

## 7. Handling and Storage

### 7.1 Precautions for Safe Handling

#### **Handling**

Provide adequate ventilation  
Wear personal protective equipment  
Ensure that eyewash stations and safety showers are close to the workstation location

#### **Hygiene Measures**

Use only outdoors or in a well-ventilated area  
Wash hands after handling

### 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

No information available.

## 8. Exposure Controls/Personal Protection

### 8.1 Control Parameters

**Exposure Limits** Apply technical measures to comply with the occupational exposure limits

**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**

<b>Eye protection</b>	Safety glasses with side-shields.
<b>Skin protection</b>	Long sleeved clothing.
<b>Hand protection</b>	Protective gloves.
<b>Respiratory protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

**Environmental exposure controls** No information available.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>appearance</b>	white	
<b>Physical state</b>	liquid	
<b>Odor</b>	suspension concentrate characteristic	
<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
<b>pH</b>	6.53	(1% solution)
<b>Melting point/freezing point</b>	No information available	
<b>Boiling Point/Range</b>	No information available	
<b>flash point</b>	> 76 °C	No information available
<b>flammability (solid, gas)</b>	No information available	
<b>Surface tension</b>	38,7-43,6 mN/m	
<b>Specific gravity</b>	1,2058	
<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>	0,1371-0,1914 mPa.s	Dynamic viscosity
<b>Oxidizing properties</b>	Non oxidizing	
<b>Explosive properties</b>	No	

### 9.2 OTHER INFORMATION

**VOC Content** No information available

## 10. Stability and Reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No information available.

### 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.

## 11. Toxicological Information

### 11.1 Information on Toxicological Effects

#### Acute toxicity

#### Local effects

##### Inhalation

There is no data available for this product.

##### Eye contact

No eye irritation.

##### Skin contact

No skin irritation.

##### Ingestion

There is no data available for this product.

#### LD50 Oral

2000 mg/kg (rat)

#### LD50 Dermal

> 2000 mg/kg (rat)

#### Chronic toxicity

#### Skin Corrosion/Irritation

No information available.

#### sensitization

skin: Did not cause sensitization.

#### Carcinogenic effects

No information available

#### Mutagenic effects

No information available

#### Reproductive effects

No information available

#### STOT - Single Exposure

No information available.

#### STOT - Repeated Exposure

No information available.

## 12. Ecological Information

### 12.1 Toxicity

EC50/72h/algae = 2.25 mg/l

EC50/48h/daphnia = 98.8 mg/L

### 12.2 Persistence and Degradability

No information available

### 12.3 Bioaccumulative Potential

No information available

Chemical name	Log Pow
Metamitron	0.83

### 12.4 Mobility in Soil

No information available.

### 12.5 Results of PBT and vPvB Assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

### 12.6 Other Adverse Effects

No information available.

## 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.



## 14. Transport Information

### ADR/RID

14.1 UN-No	UN3082
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 Environmental Hazard	DANGEROUS FOR THE ENVIRONMENT
14.6 Special Provisions	274, 335, 601
Tunnel restriction code	(E)

### IMDG/IMO

14.1 UN-No	UN3082
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 Environmental Hazard	Marine Pollutant
14.6 Special Provisions	274, 335

### IATA/ICAO

14.1 UN-No	UN3082
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 Environmental Hazard	DANGEROUS FOR THE ENVIRONMENT
14.6 Special Provisions	A97, A158

## 15. Regulatory Information

### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Registration n° MAPP 13307

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

### International Inventories

TSCA	Complies
EINECS/ ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Complies
China	-
AICS	Complies
KECL	Complies

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 AICS - Australian Inventory of Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

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**16. Other Information****Full text of R-phrases referred to under sections 2 and 3**

R22 - Harmful if swallowed

R41 - Risk of serious damage to eyes

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

H411 - Toxic to aquatic life with long lasting effects

**Revision date** 16-Jan-2015**Revision note** Sections updated: 2 Classification according to regulation (EC) No 1272/2008 (CLP)**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006****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**