

## DATURA

Preparation Date 27-Mar-2014

Revision date 09-Dec-2014

Revision Number: 3

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

#### 1.1 Identification of the product

Product code	HAQ02
Product Description:	DATURA
Synonyms	LINURON 500 G/L SC
Pure substance/preparation	Preparation

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

Recommended use	Herbicide
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#### 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
Telephone	+31 (0) 162 431 931
Telefax	+31 (0) 162 456 797
E-mail address	info.uk@uniphos.com

#### 1.4 Emergency Telephone Number

Emergency telephone number	<b>(CARECHEM 24): +44 (0) 1235 239670</b>
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United Kingdom	NHS no. 111
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## 2. Hazards Identification

### 2.1 Classification of the mixture

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

<b>Symbol(s)</b>	T - Toxic N - Dangerous for the environment
<b>R-code(s)</b>	Carc. cat. 3;R40 - Repr. cat. 2;R61 - Repr. cat. 3;R62 - Xn;R48/22 - N;R50-53

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

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

Carcinogenicity	Category 2 - H351
Reproductive toxicity	Category 1 - H360
STOT - Repeated Exposure	Category 2 - H373
Acute aquatic toxicity	Acute 1 - H400
Chronic aquatic toxicity	Chronic 1 - H410

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)

T - Toxic  
N - Dangerous for the environment

#### R -phrase(s)

R40 - Limited evidence of a carcinogenic effect  
R48/22 - Also harmful: danger of serious damage to health by prolonged exposure if swallowed  
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R61 - May cause harm to the unborn child  
R62 - Possible risk of impaired fertility

#### S -phrase(s)

S21 - When using do not smoke  
S35 - This material and its container must be disposed of in a safe way  
S36/37 - Wear suitable protective clothing and gloves  
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)  
S53 - Avoid exposure - obtain special instructions before use  
S57 - Use appropriate container to avoid environmental contamination

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



signal word

**DANGER**

**hazard statements**

- H351 - Suspected of causing cancer
- H360 - May damage fertility or the unborn child
- H373 - May cause damage to organs through prolonged or repeated exposure
- H410 - Very toxic to aquatic life with long lasting effects

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

- P201 - Obtain special instructions before use
- P273 - Avoid release to the environment
- P260 - Do not breathe spray
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P308 + P313 - IF exposed or concerned: Get medical advice/attention
- P501 - Dispose of contents/ container in accordance with national regulation

P391 - Collect spillage

**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.
Linuron	Present	330-55-2	40 - 50	Repr. Cat. 2; R61 Repr. Cat. 3; R62 Carc. Cat. 3; R40 Xn; R22-48/22 N; R50-53	Acute Tox. 4 (H302) Repr. 1B (H360Df) STOT RE 2 (H373) Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	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>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes If eye irritation persists, consult a specialist
<b>Skin contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes Consult a physician if necessary
<b>Ingestion</b>	Rinse mouth with water Do NOT induce vomiting Call a POISON CENTER or doctor/physician if exposed or you feel unwell
<b>Inhalation</b>	Move to fresh air Artificial respiration and/or oxygen may be necessary 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>	Foam Water spray Carbon dioxide (CO <sub>2</sub> ) Dry powder
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.

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

<b>Special Hazard</b>	Thermal decomposition can lead to release of irritating and toxic gases and vapors
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### 5.3 Advice for Firefighters

Wear self-contained breathing apparatus and protective suit  
This material is very toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

## 6. Accidental release measures

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

Avoid contact with the skin and the eyes  
Wear protective gloves/clothing and eye/face protection.  
Use personal protective equipment  
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  
Ensure that eyewash stations and safety showers are close to the workstation location

#### **Hygiene Measures**

Do not eat, drink or smoke when using this product  
Avoid contact with skin and clothing

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container/package in a cool well-ventilated place  
Store away from frost.  
Keep away from direct sunlight

### 7.3 Specific end uses

No information available.

## 8. Exposure Controls/Personal Protection

### 8.1 Control Parameters

<b>Exposure Limits</b>	Apply technical measures to comply with the occupational exposure limits
<b>Derived No Effect Level (DNEL)</b>	No information available
<b>Predicted No Effect Concentration (PNEC)</b>	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 Mild chemical	
<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
<b>pH</b>	7.0 - 9.0	(1% solution) CIPAC MT 75
<b>Melting point/freezing point</b>	No information available	
<b>Boiling Point/Range</b>	No information available	
<b>flash point</b>	> 86°C	EEC A.9
<b>flammability (solid, gas)</b>	Not Applicable	
<b>Surface tension</b>	32 mN/m	(25°C) EEC A.5
<b>Relative Density</b>	1.1 - 1.2	EEC A3
<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	No information available
<b>decomposition temperature</b>	No information available	
<b>viscosity</b>	100.1-122.9 mPas	(20°C) OECD 114
<b>Oxidizing properties</b>	The substance or mixture is not classified as oxidizing.	
<b>Explosive properties</b>	According to the chemical structure no explosion reaction is expected.	

### 9.2 OTHER INFORMATION

**VOC Content**                                      No information available

## 10. Stability and Reactivity

### 10.1 Reactivity

None under normal use.

### 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

Acids  
Oxidizing agents.

### 10.6 Hazardous Decomposition Products

Thermal decomposition can lead to release of toxic/corrosive gases and vapors

## 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. (rabbit).

##### Skin contact

No skin irritation. (rabbit).

##### Ingestion

There is no data available for this product.

##### LD50 Oral

> 2000 mg/kg

##### LD50 Dermal

> 4000 mg/kg

#### Chronic toxicity

##### Skin Corrosion/Irritation

No information available.

##### sensitization

No information available.

##### Carcinogenic effects

Limited evidence of a carcinogenic effect

##### Mutagenic effects

No information available

##### Reproductive effects

May impair fertility

##### STOT - Single Exposure

No information available.

##### STOT - Repeated Exposure

No information available.

## 12. Ecological Information

### 12.1 Toxicity

EC50/72h/algae = 100 µg/l  
 EC50/48h/daphnia = 6.37 mg/l  
 LC50/fish/96 h = 10.9 mg/l

### 12.2 Persistence and Degradability

No information available

### 12.3 Bioaccumulative Potential

No information available

### 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.

Chemical name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances
Linuron	Group I Chemical	High Exposure Concern

## 13. Disposal Considerations

### 13.1 Waste Treatment Methods

<b>Waste from Residues / Unused Products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal.
<b>EWC waste disposal No</b>	020108 - agrochemical waste containing dangerous substances.
<b>OTHER INFORMATION</b>	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. (Linuron)
14.3 Hazard class	9
14.4 Packing group	III
14.5 Environmental Hazard	Yes
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. (Linuron)
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. (Linuron)
14.3 Hazard class	9
14.4 Packing group	III
14.5 Environmental Hazard	Yes
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 14915

- 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**

R40 - Limited evidence of a carcinogenic effect

R61 - May cause harm to the unborn child

R62 - Possible risk of impaired fertility

R48/22 - Also harmful: danger of serious damage to health by prolonged exposure if swallowed

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Full text of H-Statements referred to under sections 2 and 3**

H302 - Harmful if swallowed

H360 - May damage fertility or the unborn child

H360Df - May damage the unborn child. Suspected of damaging fertility

H373 - May cause damage to organs through prolonged or repeated exposure if swallowed

H351 - Suspected of causing cancer

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

**Revision date** 09-Dec-2014

**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**