

## DEVRIINOL

Preparation Date 31-Mar-2014

Revision date 09-Dec-2014

Revision Number: 2

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

#### 1.1 Identification of the product

Product code HAR01  
Product Description: DEVRINOL  
Synonyms Napropamide 450 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)** N - Dangerous for the environment

**R-code(s)** Xi;R36/38 - N;R51/53

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

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

Chronic aquatic toxicity Chronic 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)**

N - Dangerous for the environment

**R -phrase(s)**

R36/38 - Irritating to eyes and skin

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**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

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36/37 - Wear suitable protective clothing and gloves

S49 - Keep only in the original container

S60 - This material and its container must be disposed of as hazardous waste

S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets

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



**signal word**

None

**hazard statements**

H411 - Toxic to aquatic life with long lasting effects

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

P102 - Keep out of reach of children

P273 - Avoid release to the environment

P391 - Collect spillage

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

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

**EU Specific Hazard Statements**

EUH210 - Safety data sheet available on request

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.
Napropamide	239-333-3	15299-99-7	40 - 50	Xi;R36 N;R51/53	Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411)	no data available
Ethylene glycol	203-473-3	107-21-1	5 - 10	Xn;R22	Acute Tox. 4 (H302)	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>	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
<b>Skin contact</b>	Wash skin with soap and water Remove and wash contaminated clothing before re-use
<b>Ingestion</b>	Rinse mouth with water Call a POISON CENTER or doctor/physician if exposed or you feel unwell
<b>Inhalation</b>	Move to fresh air If symptoms persist, call a physician

### 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>	As aqueous suspension ignition and fire is not likely. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
<b>Unsuitable extinguishing media</b>	No information available.

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

<b>Special Hazard</b>	No information available
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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  
Avoid contact with eyes  
Wear protective gloves/clothing and eye/face protection.

### 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  
Avoid contact with eyes  
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  
Wash hands after handling

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

Keep only in the original container/package in a cool 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

Chemical name	Eu	United Kingdom	France	Spain	Germany
Ethylene glycol	S* TWA 20 ppm TWA 52 mg/m <sup>3</sup> STEL 40 ppm STEL 104 mg/m <sup>3</sup>	STEL: 40 ppm STEL: 104 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> TWA: 20 ppm TWA: 52 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> Skin	TWA: 20 ppm TWA: 52 mg/m <sup>3</sup> STEL: 40 ppm STEL: 104 mg/m <sup>3</sup>	S* STEL: 40 ppm STEL: 104 mg/m <sup>3</sup> TWA: 20 ppm TWA: 52 mg/m <sup>3</sup>	MAK: 10 ppm MAK: 26 mg/m <sup>3</sup> Ceiling / Peak: 20 ppm Ceiling / Peak: 52 mg/m <sup>3</sup> Skin TWA: 10 ppm TWA: 26 mg/m <sup>3</sup>
Component	Italy	Portugal	Netherlands	Finland	Denmark
Ethylene glycol 107-21-1 ( 5 - 10 )	TWA: 20 ppm TWA: 52 mg/m <sup>3</sup> STEL: 40 ppm STEL: 104 mg/m <sup>3</sup> Skin	Ceiling: 100 mg/m <sup>3</sup>	Skin STEL: 104 mg/m <sup>3</sup> TWA: 52 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 50 mg/m <sup>3</sup> STEL: 40 ppm STEL: 100 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 26 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> Skin
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Ethylene glycol	Skin STEL 20 ppm STEL 52 mg/m <sup>3</sup> TWA: 10 ppm TWA: 26 mg/m <sup>3</sup>	Skin STEL: 20 ppm STEL: 52 mg/m <sup>3</sup> TWA: 10 ppm TWA: 26 mg/m <sup>3</sup>	STEL: 50 mg/m <sup>3</sup> TWA: 15 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 20 ppm TWA: 52 mg/m <sup>3</sup> Skin Ceiling: 25 ppm STEL: 104 mg/m <sup>3</sup> STEL: 40 ppm	TWA: 10 mg/m <sup>3</sup> TWA: 20 ppm TWA: 52 mg/m <sup>3</sup> STEL: 40 ppm STEL: 104 mg/m <sup>3</sup> Skin

**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 protection**

Safety glasses with side-shields.

**Skin protection**

Long sleeved clothing.

**Hand protection**

Protective gloves.

**Respiratory protection**

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

appearance	cream
Physical state	liquid
	suspension concentrate
Odor	characteristic

<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
pH	8 - 9	
Melting point/freezing point	No information available	
Boiling Point/Range	> 100 °C	
flash point	> 400 °C	No information available
flammability (solid, gas)	Not Applicable	
Water solubility	Miscible with water	
Solubility in Other Solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	No information available	No information available
decomposition temperature	No information available	
viscosity	50	ISO 2431 3mm
Oxidizing properties	No information available	
Explosive properties	No information available	

### 9.2 OTHER INFORMATION

VOC Content	No information available
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## 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

No information available

### 10.5 Incompatible Materials

No information available

### 10.6 Hazardous Decomposition Products

No information available

## 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**

&gt; 5000 mg/kg (rat)

**LD50 Dermal**

&gt; 2000 mg/kg (rat)

**LC50 Inhalation:**

&gt; 3.429 mg/l

**Chronic toxicity****Skin Corrosion/Irritation**

No information available.

**sensitization**

skin. Did not cause sensitization.

**Carcinogenic effects**

Not classified

**Mutagenic effects**

Not classified

**Reproductive effects**

Not classified

**STOT - Single Exposure**

No information available.

**STOT - Repeated Exposure**

No information available.

**12. Ecological Information****12.1 Toxicity****EC50/72h/algae** = 11 mg/L**LC50/48h/daphnia** = 14 mg/L**LC50/fish/96 h** = 13 mg/L**12.2 Persistence and Degradability**

No information available

**12.3 Bioaccumulative Potential**

No information available

Chemical name	Log Pow
Ethylene glycol	-1.93

**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).

This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**12.6 Other Adverse Effects**

No information available.



## 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

<b>14.1 UN-No</b>	UN3082
<b>14.2 Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s. (Napropamide)
<b>14.3 Hazard class</b>	9
<b>14.4 Packing group</b>	III
<b>14.5 Environmental Hazard</b>	DANGEROUS FOR THE ENVIRONMENT
<b>14.6 Special Provisions</b>	274, 335, 601
Tunnel restriction code	(E)

### IMDG/IMO

<b>14.1 UN-No</b>	UN3082
<b>14.2 Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s (Napropamide)
<b>14.3 Hazard class</b>	9
<b>14.4 Packing group</b>	III
<b>14.5 Environmental Hazard</b>	Marine Pollutant
<b>14.6 Special Provisions</b>	274, 335

### IATA/ICAO

<b>14.1 UN-No</b>	UN3082
<b>14.2 Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s (Napropamide)
<b>14.3 Hazard class</b>	9
<b>14.4 Packing group</b>	III
<b>14.5 Environmental Hazard</b>	DANGEROUS FOR THE ENVIRONMENT
<b>14.6 Special Provisions</b>	A97, A158



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

R36 - Irritating to eyes

R22 - Harmful if swallowed

R36/38 - Irritating to eyes and skin

R51/53 - 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

H319 - Causes serious eye irritation

H411 - Toxic to aquatic life with long lasting effects

**Revision date** 09-Dec-2014**Revision note** Not applicable**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**