

BETASANA SC

Preparation Date 29-Feb-2012

Revision date 11-Dec-2014

Revision Number: 2

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

1.1 Identification of the product

Product code HBP04
Product Description: BETASANA SC
Synonyms Phenmedipham 160 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) Xi - Irritant
N - Dangerous for the environment

R-code(s) Xi;R36, R43 - 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)

Serious Eye Damage/Irritation Category 2 - (H319)
Respiratory sensitization Category 1 - (H317)

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)

Xi - Irritant
N - Dangerous for the environment

R -phrase(s)

R36 - Irritating to eyes
R43 - May cause sensitization by skin contact
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S -phrase(s)

S2 - Keep out of the reach of children
S13 - Keep away from food, drink and animal feedingstuffs
S24 - Avoid contact with skin
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S35 - This material and its container must be disposed of in a safe way
S37 - Wear suitable gloves
S57 - Use appropriate container to avoid environmental contamination

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



signal word

WARNING**hazard statements**

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H411 - Toxic to aquatic life with long lasting effects

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

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P273 - Avoid release to the environment

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

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P337 + P313 - If eye irritation persists: Get medical advice/attention

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

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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.
Phenmedipham	237-199-0	13684-63-4	10 - 20	N; R50/53	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	no data available
Alcohols, C11-14-iso-, C13-rich, ethoxylated	-	78330-21-9	1 - 5	Xn;R22 Xi;R41	Eye Dam. 1 (H318) Acute Tox. 4 (H302)	no data available
Isopropylamine Alkyl Benzene Sulphonate	271-531-5	68584-24-7	5 - 10	Xn; R22 Xi; R38 Xi; R41	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) 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

General advice	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
Eye contact	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
Skin contact	Wash off immediately with plenty of water If symptoms persist, call a physician
Ingestion	Rinse mouth with water Call a POISON CENTER or doctor/physician if exposed or you feel unwell
Inhalation	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

Suitable extinguishing media	Water spray Smother flames with sand, dry powders or carbon dioxide.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Special Hazard	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

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
Keep out of the reach of children
Protect from light

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 http://limitvalue.ifa.dguv.de/Webform_gw.aspx
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. (Tyvek).
Hand protection	Protective gloves.
Respiratory protection	Respiratory protection complying with EN 143

Environmental exposure controls No information available.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

appearance	Off-white	
Physical state	liquid	
Odor	suspension concentrate Hydrocarbon	
<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
pH	6.38	(25°C - 1% solution)
Melting point/freezing point	No information available	
Boiling Point/Range	Not Available	
flash point	no data available	
flammability (solid, gas)	Not Applicable	
Surface tension	5.39 mN/m	
Specific gravity	1.0030 g/mL	
Solubility in Other Solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature		
decomposition temperature	No information available	
viscosity	113 mPas	20 °C, Dynamic viscosity
Oxidizing properties	Non oxidizing	
Explosive properties	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

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

Temperatures above 35°C

10.5 Incompatible Materials

Strong oxidizing agents
Strong acids

10.6 Hazardous Decomposition Products

Burning produces obnoxious and toxic fumes

11. Toxicological Information

11.1 Information on Toxicological Effects

Acute toxicity

Local effects

Inhalation

There is no data available for this product.

Eye contact

Irritating to eyes.

Skin contact

No skin irritation.

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.

corrosivity

No information available.

sensitization

May cause sensitization by skin contact.

repeated dose toxicity

No information available

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 = 10 mg/L

EC50/48h/daphnia = 87.3 mg/L

LC50/fish/96 h = 27.6 mg/L

12.2 Persistence and Degradability

No information available

12.3 Bioaccumulative Potential

No information available

Chemical name	Log Pow
Phenmedipham	3.59

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.

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.

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

R22 - Harmful if swallowed

R36 - Irritating to eyes

R38 - Irritating to skin

R41 - Risk of serious damage to eyes

R43 - May cause sensitization by skin contact

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

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

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H411 - Toxic to aquatic life with long lasting effects

Revision date 11-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