

SULPHUR FLOWABLE

Preparation Date 04-Apr-2012

Revision Date 04-Apr-2012

Revision Number: 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Identification of the product**

Product Code FCG08
Product Description: SULPHUR FLOWABLE
Pure substance/preparation Preparation

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Fungicide

1.3 Details of the supplier of the safety data sheet

Supplier United Phosphorus Ltd
The Centre
Birchwood Park
Warrington
WA3 6YN
Cheshire, UK

Telephone +44 (0) 1925 819999

Telefax +44 (0) 1925 917425

E-mail Address info.uk@uniphos.com

1.4 Emergency telephone number

Emergency Telephone Number **(CARECHEM 24): +44 208 762 8322**

United Kingdom NHS Direct (UK): +44 0845 46 47

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

R-code(s) Xi;R43

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

2.2 Label Elements

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

Xi



Symbol(s)

Xi - Irritant

R -phrase(s)

R43 - May cause sensitization by skin contact

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

S36/37 - Wear suitable protective clothing and gloves

S29/35 - Do not empty into drains; dispose of this material and its container in a safe way

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.
Sulfur	231-722-6	7704-34-9	50 - 60	Xi;R38	Skin Irrit. 2 (H315)	01-2119487295-27
Sodium naphthalene sulfonate/formaldehyde condensate		68425-94-5	1 - 5	Xi;R36/38	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	No data available
Ethoxylated fatty alcohol	-	- (ND)	< 1	Xn; R22 Xi; R41 N;R50		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

Eye Contact	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
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes Consult a physician if necessary
Ingestion	Call a POISON CENTER or doctor/physician if exposed or you feel unwell
Inhalation	Move to fresh air

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 As a water suspension, the fire is highly improbable
Use materials appropriate for surrounding fire.

Unsuitable Extinguishing Media No information available.

5.2 Special hazards arising from the substance or mixture

Special hazard No information available.

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 the skin and the 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

Ensure adequate ventilation

Ensure that eyewash stations and safety showers are close to the workstation location

Avoid contact with skin and eyes

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 at temperatures above 0°C

Keep only in the original container/package in a cool well-ventilated place

Keep container tightly closed

Store away from heat

Store away from frost.

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
Sulfur	10mg/m ³				

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
Suitable mask with particle filter P3 (European Norm 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 suspension concentrate
Odor	No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	(+/- 0.8) 6.7	CIPAC MT 75
Melting point/freezing point	0 °C	
Boiling Point/Range	No information available	
Flash Point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Vapor density	Vapor density Negligible	
Relative density	(+/- 0.02) 1,45	
Water Solubility	No information available	
Solubility in other solvents	dispersible	
Partition coefficient: n-octanol/water	No information available	
Autoignition Temperature	No information available	
Decomposition temperature	No information available.	
Viscosity		
Oxidizing Properties	No information available	
Explosive Properties	No information available	

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

Strong oxidizing agents

10.5 Incompatible materials

Strong oxidizing agents
Strong acids

10.6 Hazardous decomposition products

No information available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Local effects

Inhalation

Not applicable.

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 (rabbit)

Skin corrosion/irritation

No information available.

Sensitization

Skin sensitization.

Repeated Dose Toxicity

No information available.

Carcinogenic effects

No information available.

Mutagenic Effects

No information available.

Reproductive Effects

No information available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical Name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Sulfur		LC50 96 h: = 866 mg/L static (Brachydanio rerio) LC50 96 h: < 14 mg/L static (Lepomis macrochirus) LC50 96 h: > 180 mg/L static (Oncorhynchus mykiss)		

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Does not bioaccumulate.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

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

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 Not regulated.
- 14.2. Proper Shipping Name
- 14.3. Hazard Class
- 14.4. Packing Group
- 14.5. Environmental hazard
- 14.6. Special Provisions

IMDG/IMO

- 14.1. UN-No Not regulated.
- 14.2. Proper Shipping Name
- 14.3. Hazard Class
- 14.4. Packing Group
- 14.5. Environmental hazard
- 14.6. Special Provisions

IATA/ICAO

- 14.1. UN-No Not regulated.
- 14.2. Proper Shipping Name
- 14.3. Hazard Class
- 14.4. Packing Group
- 14.5. Environmental hazard
- 14.6. Special Provisions

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

CLASSIFICATION ACCORDING TO THE REGISTRATION APPROBAL MAFF number 07526

- 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	Complies
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 Commercial Chemical Substances/EU 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.

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

R22 - Harmful if swallowed

R38 - Irritating to skin

R41 - Risk of serious damage to eyes

R50 - Very toxic to aquatic organisms

R36/38 - Irritating to eyes and skin

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

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Revision Date 04-Apr-2012**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