



SAFETY DATA SHEET

according to regulation (EC) no 1907/2006

Solfa WG

Version 3 (UK)

Issue date 11/03/2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : **Solfa WG**

Usage : Plant Protection Product

Company : Nufarm UK Limited
Wyke Lane
Wyke
Bradford
West Yorkshire BD12 9EJ
United Kingdom

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2. HAZARDS IDENTIFICATION

Irritating to respiratory system.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture of active ingredient and additives
Sulfur; 80%

Components	CAS-No.	EINECS-No. ELINCS-No.	Symbol(s)	R-phrase(s)	Concentration (w/w)
sulphur	7704-34-9	231-722-6			80.0 %

4. FIRST AID MEASURES

Eye contact : Rinse thoroughly with plenty of water, also under the eyelids. Obtain medical attention.

Skin contact : Wash off with plenty of water. Remove and wash contaminated clothing before re-use.

Inhalation : Remove casualty to fresh air. If symptoms persist, call a physician.

Ingestion : Drink plenty of water. If symptoms persist, call a physician. If a person vomits when lying on his back, place him in the recovery position. Do NOT induce vomiting. Call a physician immediately.



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Notes to physician

Treatment : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Specific hazards during fire fighting : In the event of fire (SO_x) may be formed.
- Special protective equipment for fire-fighters : Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
- Suitable extinguishing media : Water spray, Dry powder, Sand, Foam, Carbon dioxide (CO₂)
- Extinguishing media which shall not be used for safety reasons : High volume water jet
- Further information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment. (see Chapter 8)
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.
- Additional advice : Never return spills in original containers for re-use.

7. HANDLING AND STORAGE

Handling

- Safe handling advice : Keep out of reach of children. Wear personal protective equipment. Avoid dust formation. Take precautionary measures against static discharges.
- Advice on protection against fire and explosion : Risk of dust explosion. Keep away from heat and sources of ignition.
- Dust explosion class : St1

Storage

- Requirements for storage areas and containers : Store at room temperature in the original container. Keep tightly closed in a dry, cool and well-ventilated place.



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Advice on common storage : Keep away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

- Respiratory protection : filter P2 (for solid and liquid particle) (DIN 3181)
- Hand protection : Rubber gloves
- Eye protection : Tightly fitting safety goggles
- Skin and body protection : Long sleeved clothing
- Hygiene measures : Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Provide adequate ventilation.
- Protective measures : Avoid contact with skin, eyes and clothing. Keep working clothes separately. Do not breathe dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Physical state : solid
- Form : granular
- Colour : brown
- Odour : slight sulphurous

Other data

- Melting point/range : 119 °C
(Sulfur)
- Boiling point/boiling range : 445 °C
(Sulfur)
- Flash point : 207 °C
(Sulfur)
- Ignition temperature : 250 °C
- Upper explosion limit : no data available



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Lower explosion limit	:	no data available
Vapour pressure	:	no data available
Density	:	no data available
Bulk density	:	850 - 950 kg/m ³
Water solubility	:	dispersible
pH	:	8 - 11
Partition coefficient: n-octanol/water	:	no data available
Viscosity, dynamic	:	no data available

10. STABILITY AND REACTIVITY

Conditions to avoid	:	Exposure to sunlight, Humidity during storage., Keep away from heat and sources of ignition.
Materials to avoid	:	Strong oxidizing agents, Copper, copper salts

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50 rat Dose: > 2,000 mg/kg
Acute dermal toxicity	:	LD50 rat Dose: > 2,000 mg/kg
Acute inhalation toxicity	:	LC50 rat Dose: > 1.35 mg/l
Skin irritation	:	Remarks: Contact with eyes or skin causes irritation.
Eye irritation	:	Remarks: The product causes irritation of eyes, skin and mucous membranes.



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Sensitisation : Result: May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC50 *Oncorhynchus mykiss* (Rainbow trout)
Dose: > 4,000 mg/l
Testing period: 96 h

Toxicity to daphnia : EC50 *Daphnia magna* (Water flea)
Dose: > 1,000 mg/l
Testing period: 48 h

Toxicity to algae : EC50 *Ankistrodesmus bibraianus*
Dose: > 586.3 mg/l
Exposure time: 72 h

13. DISPOSAL CONSIDERATIONS

Product : Dispose of product and packaging in accordance with The Green Code. (The Code of Practice for the safe use of Pesticides on Farms and Holdings.) A MAFF Publication.

Contaminated packaging : Do not re-use empty containers.

Dispose empty and triple rinsed container within a local disposing system according to EC directive 94/62/EC

According to European Directive 2000/532/EC as amended :

Waste Key Number : 02 01 09 (agrochemical waste other than those mentioned in 02 01 08)

14. TRANSPORT INFORMATION

UN-Number :



ADR/RID :

Not classified as dangerous for conveyance in the meaning of the regulations for the transport of dangerous goods by road and rail.

IMDG :

Not a dangerous substance as defined in the above regulations.

IATA-DGR :

Not a dangerous substance as defined in the above regulations.

15. REGULATORY INFORMATION

R-phrase(s)	: R37	Irritating to respiratory system.
S-phrase(s)	: S 2 S13 S20/21 S22 S29/35 S49	Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. When using do not eat, drink or smoke. Do not breathe dust. Do not empty into drains; dispose of this material and its container in a safe way. Keep only in the original container.
Further information	: Handle in accordance with good industrial hygiene and safety practice.	

16. OTHER INFORMATION

Print Date : 03/11/2009

(Alterations are indicated in the left hand margin by: ||)

Full text of any R phrases referred to under heading 3:
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