



# SAFETY DATA SHEET

according to regulation (EC) no 1907/2006

**Bonser**

Version 2 (UK)

Issue date 11/02/2009

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

### Product information

Trade name : **Bonser**

Usage : adjuvant

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

Telephone : +44 (0)1274 691234  
Telefax : +44 (0)1274 691176  
E-mail : infouk@uk.nufarm.com

Emergency telephone : **+44(0)1274 696603**

## 2. HAZARDS IDENTIFICATION

Not classified as a dangerous preparation

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature** : Aqueous solution  
258 g/L ammonium sulphate, 15 g/L modified soya lection, 15 g/L propionic acid and 4 g/L alkylphenyl hydroxypolyoxyethylene

Components	CAS-No.	EINECS-No. ELINCS-No.	Symbol(s)	R-phrases(s)	Concentration (w/w)
ammonium sulfate	7783-20-2	231-984-1			22.36 %
Ammonia Solution	1336-21-6	215-647-6	C, N	R34, R50	4.39 %
propionic acid	79-09-4	201-176-3	C	R34	1% - 2%
phosphoric acid	7664-38-2	231-633-2	C	R34	1% - 3%

## 4. FIRST AID MEASURES

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin contact : Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. If symptoms persist, call a physician. Wash contaminated clothing before re-use.

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

Ingestion : Do NOT induce vomiting. Rinse mouth. If conscious, drink



plenty of water. If symptoms persist, call a physician.

**Notes to physician**

Treatment : Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

- Specific hazards during fire fighting : In the event of fire (HCl,Cl<sub>2</sub>,CO) 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, Carbon dioxide (CO<sub>2</sub>), Dry powder, Alcohol-resistant foam
- 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 : Wear personal protective equipment. (see Chapter 8)
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Sweep up and shovel into suitable containers for disposal.
- Additional advice : Never return spills in original containers for re-use.

**7. HANDLING AND STORAGE**

**Handling**

Safe handling advice : Wear personal protective equipment.

**Storage**

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

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



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Personal protective equipment

- Respiratory protection : No special protective equipment required.
- Hand protection : PVC or nitrile-rubber gloves
- Eye protection : Safety glasses, or, Goggles
- Skin and body protection : lightweight protective 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.
- Protective measures : Avoid contact with skin, eyes and clothing. Keep working clothes separately.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

- Form : liquid
- Colour : yellow
- Odour : sweet

### Other data

- pH : 5.7
- Viscosity, dynamic : 3.7 mPa.s  
at 20 °C
- 2.4 mPa.s  
at 40 °C

## 10. STABILITY AND REACTIVITY

- Conditions to avoid : No dangerous reaction known under conditions of normal use.
- Materials to avoid : Strong acids and strong bases



## 11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50 rat  
Dose: > 2,000 mg/kg
- Acute dermal toxicity : LD50 rat  
Dose: > 2,000 mg/kg
- Skin irritation : rabbit  
Result: No skin irritation
- Eye irritation : rabbit  
Result: No eye irritation
- Sensitisation : Result: Did not cause sensitization.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

- Toxicity to fish : Dose: > 100 mg/l
- Toxicity to daphnia : Dose: > 100 mg/l
- Toxicity to algae : Dose: > 100 mg/l

## 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 dispose with household waste. Do not re-use empty containers. Dispose at licensed waste disposal site capable of accepting pesticides in compliance with applicable regulations. according to EC directive 94/62/EC

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



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Waste Key Number : 02 01 08 (agrochemical waste containing dangerous substances)

### 14. TRANSPORT INFORMATION

UN-Number :

**ADR/RID :**

Not a dangerous substance as defined in the above regulations.

**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) : n.c. This chemical substance is not classified in the Annex I of Directive 67/548/EEC.

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.

### 16. OTHER INFORMATION

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

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

- 
- R34 - Causes burns.
- R50 - Very toxic to aquatic organisms.
- R34 - Causes burns.
- R34 - Causes burns.



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