

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006



Prima FS808 AF

SUBID : 000001007478

Version 2

Print Date 20.07.2013

Revision Date 11.05.2011

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

Identification of the substance/preparation

Product name : Prima FS808 AF
Use of the Substance/Preparation : Offset plate finisher solution

Company/Undertaking Identification

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2. HAZARDS IDENTIFICATION

EC-classification:

Symbol(s) : Xi Irritant
R-phrases(s) : R43 May cause sensitization by skin contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The hazard and labelling information in this section is that of the individual ingredients. The corresponding information relative to this product as supplied is given in section 15. Full text of each relevant R-phrase is listed in section 16.

Aqueous offset plate finisher solution, mainly consisting of:

Hazardous components

- Isothiazolinones Concentration [%] : 0.0 - 0.1
CAS-No. : 55965-84-9
Index-No. : 613-167-00-5
Symbol(s) : T, N
R-phrase(s) : R23/24/25, R34, R43, R50/53
- 2-Bromo-2-nitropropane-1,3-diol Concentration [%] : 0.1 - 0.5
CAS-No. : 52-51-7
Index-No. : 603-085-00-8
EINECS-No. : 200-143-0
Symbol(s) : Xn, N
R-phrase(s) : R21/22, R37/38, R41, R50
- 1-propoxy-2-propanol Concentration [%] : 2.5 - 5.0
CAS-No. : 1569-01-3
EINECS-No. : 216-372-4
R-phrase(s) : R10
- Propan-2-ol Concentration [%] : 2.5 - 5.0
CAS-No. : 67-63-0
Index-No. : 603-117-00-0

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EINECS-No.	:	200-661-7			
Symbol(s)	:	F, Xi			
R-pharse(s)	:	R11, R36, R67			
• 2-Butoxyethanol			Concentration [%] :	5.0 -	10.0
CAS-No.	:	111-76-2			
Index-No.	:	603-014-00-0			
EINECS-No.	:	203-905-0			
Symbol(s)	:	Xn			
R-pharse(s)	:	R20/21/22, R36/38			

Other

• Propylene glycol			Concentration [%] :	5.0 -	10.0
• Glycerine			Concentration [%] :	5.0 -	10.0

4. FIRST AID MEASURES

General advice	:	When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person.
Eye contact	:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin contact	:	Wash immediately with plenty of water and soap. If symptoms persist, seek medical advice. Take off all contaminated clothing immediately.
Ingestion	:	Do not induce vomiting. Obtain medical attention.
Inhalation	:	Take person to fresh air. If necessary, seek medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Dry extinguishing powder., Alcohol-resistant foam., Carbon dioxide (CO ₂)., Water spray.
Specific hazards during fire fighting	:	Do not use a solid water stream as it may scatter and spread fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	See section : Exposure controls / personel protection.
Environmental precautions	:	For waste disposal see section 13.
Methods for cleaning up	:	Dike the spill if necessary. Soak up with absorbent material. Collect large spills into a properly labelled and sealable container. Prevent release into the drain, soil or surface water.

7. HANDLING AND STORAGE

Handling

Advice on protection against fire and explosion	:	No special protective measures against fire and explosion required.
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Storage

Requirements for storage	:	Keep container tightly closed. Protect from direct sunlight.
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areas and containers

Advice on common storage : Store away from oxidizing agents.Store away from strong acids.Store away from strong alkalis.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values

Components	CAS-No.	Values	Type	Revision Date	Basis
Propan-2-ol	67-63-0	999 mg/m ³	TWA	2005	EH40 WEL
		1,250 mg/m ³	STEL	2005	EH40 WEL
2-Butoxyethanol	111-76-2	98 mg/m ³	TWA	05 2003	EU ELV
		246 mg/m ³	STEL	05 2003	EU ELV
		25 ppm	TWA	2005	EH40 WEL
		50 ppm	STEL	2005	EH40 WEL
Propylene glycol	57-55-6	10 mg/m ³	TWA	2005	EH40 WEL
		474 mg/m ³	TWA	2005	EH40 WEL
Glycerine	56-81-5	10 mg/m ³	TWA	2005	EH40 WEL

Exposure controls

- Engineering measures : Ventilation should be sufficient so that any applicable occupational exposure limits are not exceeded.
- Hygiene measures : Observe normal precautions when handling chemicals. Keep away from foodstuffs, drinks and tobacco.
- Hand protection : Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the materials: butyl rubber (thickness \geq 0.36 mm, breakthrough time > 480 min), nitrile rubber (thickness \geq 0.38 mm, breakthrough time > 480 min) or neoprene (thickness \geq 0.65 mm, breakthrough time > 240 min). For intermittent splash protection corresponding gloves with breakthrough times > 60 min can be used. Avoid gloves made of: natural latex.
- Eye protection : Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

- Form : Liquid.
- Colour : Brownish
- Odour : Characteristic smell.

Important Health Safety and Environmental Information

- Vapour pressure (20 °C) : 48 hPa
- Relative density (20 °C) : 0.990
- Solubility/qualitative : Miscible with water at all ratios.
- pH (25 °C) : 4.0 - 5.0
- Boiling point/range : 78 °C
- Flash point : 55 °C
- Ignition temperature : 240 °C
- Lower explosion limit : 0.9 %(V)
- Upper explosion limit : 12.6 %(V)

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10. STABILITY AND REACTIVITY

- Stability : The product is stable under normal conditions of storage and use.
- Conditions and materials to avoid : Avoid contact with strong acids. Avoid contact with strong alkalis and oxidizing agents.
- Hazardous decomposition products : Carbon dioxide (CO₂). Carbon monoxide (CO),

11. TOXICOLOGICAL INFORMATION

May cause sensitization by skin contact.

Toxicity data specific for individual ingredients in their pure state:

Acute oral toxicity

- Isothiazolinones : LD50 rat > 2,000 mg/kg
- 2-Bromo-2-nitropropane-1,3-diol : LD50 rat 180 mg/kg
- Propan-2-ol : LD50 rat 5,045 mg/kg
- 2-Butoxyethanol : LD50 rat 470 mg/kg

Acute inhalation toxicity

- 2-Bromo-2-nitropropane-1,3-diol : LC50 rat > 5 mg/l/ 6 h
- Propan-2-ol : LC50 rat 46.5 mg/l/ 4 h
- 2-Butoxyethanol : LC50 rat 2.9 mg/l/ 7 h

Acute dermal toxicity

- Isothiazolinones : LD50 rat > 5,000 mg/kg
- 2-Bromo-2-nitropropane-1,3-diol : LD50 rat 1,600 mg/kg
- Propan-2-ol : LD50 rabbit 12,800 mg/kg
- 2-Butoxyethanol : LD50 rabbit 220 mg/kg

Other information

Hazard labelling of this preparation or substance : see section 15.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Ecotoxicity data specific for individual ingredients in their pure state:

Toxicity to fish

- 2-Bromo-2-nitropropane-1,3-diol : Species: *Salmo gairdneri* (rainbow trout)
LC50: 41.2 mg/l/ 96 h
- Propan-2-ol : Species: *Pimephales promelas* (fathead minnow)
LC50: 9,640 mg/l/ 96 h
- 2-Butoxyethanol : Species: *Lepomis macrochirus* (bluegill sunfish)
LC50: 1,490 mg/l/ 96 h

Toxicity to daphnia

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- 2-Bromo-2-nitropropane-1,3-diol : Species: Daphnia magna (water flea)
EC50: 1.4 mg/l/ 48 h
- Propan-2-ol : Species: Daphnia magna (water flea)
EC50: 13,299 mg/l/ 48 h
- 2-Butoxyethanol : Species: Daphnia magna (water flea)
EC50: > 1,698 mg/l/ 48 h

Toxicity to algae

- Propan-2-ol : Species: Scenedesmus quadricauda (algae)
EC5: 1,800 mg/l/ 8 d

Toxicity to bacteria

- Propan-2-ol : Species: Pseudomonas putida (bacteria)
EC5: 1,050 mg/l/ 16 h
- 2-Butoxyethanol : Species: Pseudomonas putida (bacteria)
EC0: > 700 mg/l/ 16 h

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Environmental regulations, discharge of chemicals and washwater, waste treatment and disposal conditions of chemicals and their packaging may vary from one country to another. The relevant local regulations should be consulted. When this product or its contaminated packaging has to be removed as waste, contact an authorized waste contractor. May be discharged to drain if local regulations permit.

For waste resulting from this product, it is recommended to use European Waste Code : 08 03 08 (aqueous liquid waste containing ink).

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Hazardous components which must be listed on the label :

- CAS-No. : 55965-84-9 Isothiazolinones
- Symbol(s) : Xi Irritant
- R-phrases : R43 May cause sensitization by skin contact.
- S-phrases : S24 Avoid contact with skin.
S29/35 Do not empty into drains; dispose of this material and its container in a safe way.
S37 Wear suitable gloves.

16. OTHER INFORMATION

|| Section(s) changed compared to the previous issue: 3, 8, 9

Further information

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Text of R-phrases referred to under headings 2 and 3:

R10	Flammable.
R11	Highly flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

This Safety Data Sheet is compiled in accordance with European Directives and corresponding national legislation. This product is not manufactured by Agfa. The information disclosed in this Safety Data Sheet has been provided by the manufacturer.

The information disclosed in this Safety Data Sheet is believed to be correct to the best of our current knowledge and experience. It only relates to the specific product designated herein and it may not be valid when said product is used in combination with any other material or in any process, unless specified in the text. This document aims to provide the necessary health and safety information of the product and is not to be considered a warranty or quality specification. It is the responsibility of the user to comply with local legislation relating to safety, health, environment and waste management.