

3X7BJ

SAFETY DATA SHEET

according to EC directive 93/112/EC

G5200b



SUBID:000000006654

Version 10

Print Date 17/06/05

Revision Date 11.11.2004

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

Product Information

Product name : G5200b
Use of the : Activator concentrate
Substance/Preparation

Company/Undertaking Identification

Agfa-Gevaert Ltd.
27 Great West Road
TW8 9AX Brentford, Middlesex
United Kingdom
Tel. : +44 (0)20 8 231 4616
Fax : +44 (0)20 8 231 4951

Emergency telephone number (Belgium) : +32 3 4443333

2. 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 activator concentrate, mainly consisting of:

Hazardous components

• Aminoethylethanolamine		Concentration [%] :	1.0	-	5.0
CAS-No.	: 111-41-1				
EINECS-No.	: 203-867-5				
Symbol(s)	: C				
R-phrase(s)	: R34, R43				
• Potassium hydroxide		Concentration [%] :	2.0	-	5.0
CAS-No.	: 1310-58-3				
Index-No.	: 019-002-00-8				
EINECS-No.	: 215-181-3				
Symbol(s)	: C				
R-phrase(s)	: R22, R35				

Other

• Water		Concentration [%] :	80.0	-	100.0
• Potassium sulphite		Concentration [%] :	1.0	-	5.0

3. HAZARDS IDENTIFICATION

EC-classification:

Symbol(s) : C Corrosive
R-phrase(s) : R34 Causes burns.
R43 May cause sensitization by skin contact.

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4. FIRST AID MEASURES

- Skin contact : Wash immediately with plenty of water and soap. If symptoms persist, seek medical advice.
Eye contact : Rinse with plenty of water. Seek medical attention.
Ingestion : Rinse mouth with plenty of water. Seek medical advice.
Inhalation : Not relevant.

5. FIRE-FIGHTING MEASURES

- Further information : Product is not combustible.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : See section 8.
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.
Additional advice : Wash away residues with plenty of water.

7. HANDLING AND STORAGE

Handling

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

Storage

- Requirements for storage areas and containers : Keep container tightly closed. Protect from direct sunlight.
Advice on common storage : Store away from strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values

Components	CAS-No.	Values	Type	Revision Date	Basis
Potassium hydroxide	1310-58-3	2 mg/m ³	STEL	2002	EH40 OES

Exposure controls

- Engineering measures : Ventilation should be sufficient so that any applicable occupational exposure limits are not exceeded.
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

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Eye protection : breakthrough times > 60 min can be used. Avoid gloves made of: natural latex.
Hygiene measures : Safety goggles.
: Observe normal precautions when handling chemicals. Keep away from foodstuffs, drinks and tobacco.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : Liquid
Colour : Yellow
Odour : Alcoholic odour

Safety data

pH (25 °C) : > 13.0
Melting point/range : < 0 °C
Boiling point/range : > 100 °C
Lower explosion limit : Not applicable
Upper explosion limit : Not applicable
Vapour pressure : 23.00 hPa at 20 °C
Relative density (20 °C) : 1.075
Solubility/qualitative : Miscible with water at all ratios.
Relative vapour density : Not applicable

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. Remove all chemicals and rinse the processing tanks thoroughly with water before using any cleansing products.
Hazardous decomposition products : None

11. TOXICOLOGICAL INFORMATION

R-phrase(s) : R34 Causes burns.
R43 May cause sensitization by skin contact.

Toxicity data specific for individual ingredients in their pure state:

Acute oral toxicity

• Aminoethylethanolamine : LD50 rat 3,000 mg/kg
• Potassium hydroxide : LD50 rat 273 mg/kg

Acute dermal toxicity

• Aminoethylethanolamine : LD50 rat 2,250 mg/kg

Other information

Hazard labelling of this preparation: see section 15.

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Pending the development of criteria for evaluating impact of a chemical preparation, ecological information referring to the most important individual ingredients present in this preparation is given here merely as an indication. The effective environmental impact of this preparation should of course be assessed taking into account the actual concentration of each individual ingredient in this preparation.

Toxicity to

- Aminoethylethanolamine : Species: Salmo gairdneri (rainbow trout)
Dose: > 100.00 mg/l/ 96 h

Toxicity to

- Aminoethylethanolamine : Species: Daphnia magna (water flea)
Dose: 190.00 mg/l/ 48 h

Toxicity to

- Aminoethylethanolamine : Species: Algae
Dose: 210.00 mg/l/ 72 h

Further information on ecology

Biochemical oxygen demand : 5,400 mg/l
within 5 days (BOD5)
Chemical Oxygen Demand (COD) : 75,000 mg/l

This preparation does not contain any ingredient that is classified as hazardous to the environment according to European Directives and corresponding national legislation.

13. DISPOSAL CONSIDERATIONS

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 : 09 01 01 (water-based developer and activator solutions).

14. TRANSPORT INFORMATION**ADR**

UN-No : 1814
Proper shipping name : POTASSIUM HYDROXIDE SOLUTION
Class : 8
Packing group : II
Classification Code : C5
Labelling No. : 8
Risk No. : 80

RID

UN-No : 1814

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Class : 8
Packing group : II
Classification Code : C5
Labelling No. : 8

IMO / IMDG

UN-No : 1814
Proper shipping name : POTASSIUM HYDROXIDE SOLUTION
Class : 8
Packing group : II
Labelling No. : 8
EmS : F-A, S-B

ICAO / IATA cargo aircraft only

UN-No : 1814
Proper shipping name : Potassium hydroxide solution
Class : 8
Packing group : II
Labelling No. : 8
Packing instruction (cargo aircraft) : 813

ICAO / IATA passenger and cargo aircraft

UN-No : 1814
Proper shipping name : Potassium hydroxide solution
Class : 8
Packing group : II
Labelling No. : 8
Packing instruction (passenger aircraft) : 809

15. REGULATORY INFORMATION

Labelling according to EC Directives

Hazardous components which must be listed on the label :

- CAS-No. : 111-41-1 Aminoethylethanolamine
1310-58-3 Potassium hydroxide

Symbol(s) : C Corrosive
R-phrase(s) : R34 Causes burns.
R43 May cause sensitization by skin contact.
S-phrase(s) : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical

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advice immediately (show the label where possible).

16. OTHER INFORMATION

Section(s) changed compared to the previous issue: 1, 2, 3, 6, 8, 9, 11, 14, 15

Further information

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

R22	Harmful if swallowed.
R34	Causes burns.
R35	Causes severe burns.
R43	May cause sensitization by skin contact.

This Safety Data Sheet is compiled in accordance with European Directives and corresponding national legislation.

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.