

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006



G5200b

SUBID : 000000006654

Version 12

Print Date 23.03.2010

Revision Date 22.03.2010

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

Identification of the substance/preparation

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

Company/Undertaking Identification

Agfa-Gevaert Ltd.
Vantage West
Great West Road
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United Kingdom
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Person responsible for the safety data sheet: Jos Vanholzaets
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Emergency telephone number (Belgium) : +32 3 4443333 (24h/24h)

2. HAZARDS IDENTIFICATION

EC-classification:

Symbol(s)	: T	Toxic
R-phrase(s)	: R34 R43 R61	Causes burns. May cause sensitization by skin contact. May cause harm to the unborn child.

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 activator solution, mainly consisting of:

Hazardous components

- | | | | | |
|--------------------------|--|-----|---|-----|
| • Aminoethylethanolamine | Concentration [%] : | 1.0 | - | 5.0 |
| CAS-No. | : 111-41-1 | | | |
| Index-No. | : 603-194-00-0 | | | |
| EINECS-No. | : 203-867-5 | | | |
| Symbol(s) | : TT | | | |
| R-phrase(s) | : R61, R34, R43, R62R34, R43, R61, R62 | | | |
| • 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 | | | |

SAFETY DATA SHEET

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4. FIRST AID MEASURES

- 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.
- 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 : 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.
- 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/m3	STEL	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,

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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 goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form : Liquid.
Colour : Yellow
Odour : Alcoholic odour

Important Health Safety and Environmental Information

Vapour pressure (20 °C) : 23.00 hPa
Relative density (20 °C) : 1.075
Solubility/qualitative : Miscible with water at all ratios.
pH (25 °C) : > 13.0
Melting point/range : < 0 °C
Boiling point/range : > 100 °C

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

Causes burns.

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 rabbit 3,266 mg/kg

Other information

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

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

SAFETY DATA SHEET

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Biodegradation

- Aminoethylethanolamine : OECD 302B Inherent biodegradability > 20 % after 28 d

Ecotoxicity effects

Ecotoxicity data specific for individual ingredients in their pure state:

Toxicity to fish

- Aminoethylethanolamine : Species: Leuciscus idus (golden orfe)
LC50: > 500 mg/l/ 48 h
- Potassium hydroxide : Species: Poecilia reticulata (guppy)
LC50: 165 mg/l/ 24 h

Toxicity to daphnia

- Aminoethylethanolamine : Species: Daphnia magna (water flea)
EC50: 190 mg/l/ 48 h

Toxicity to algae

- Aminoethylethanolamine : Species: Desmodesmus subspicatus (algae)
EC50: 210 mg/l/ 72 h

Toxicity to bacteria

- Aminoethylethanolamine : Species: Pseudomonas putida (bacteria)
EC50: 135 mg/l/ 17 h

Further information on ecology

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

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

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

14. TRANSPORT INFORMATION

ADR

- UN-No : 1814
- Proper shipping name : POTASSIUM HYDROXIDE SOLUTION

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Class : 8
Packing group : II
Classification Code : C5
Labelling No. : 8
Risk No. : 80

RID

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

ADNR

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

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 : 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 : 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) : T Toxic

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R-phrase(s)	: R34	Causes burns.
	R43	May cause sensitization by skin contact.
	R61	May cause harm to the unborn child.
S-phrase(s)	: S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
	S53	Avoid exposure - obtain special instructions before use.

16. OTHER INFORMATION

|| Section(s) changed compared to the previous issue: 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.
R61	May cause harm to the unborn child.
R62	Possible risk of impaired fertility.

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.