

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006



## ALTEC T236

SUBID : 000000010518

Version 2

Print Date 04.09.2008

Revision Date 03.09.2008

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

#### Identification of the substance/preparation

Product name : ALTEC T236  
Use of the Substance/Preparation : Cleaning agent

#### Company/Undertaking Identification

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### 2. HAZARDS IDENTIFICATION

#### EC-classification:

Symbol(s)	: Xi	Irritant
R-phrases(s)	: R38 R41 R43	Irritating to skin. Risk of serious damage to eyes. 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.

Cleaning agent, mainly consisting of:

#### Hazardous components

- |                              |                     |     |   |      |
|------------------------------|---------------------|-----|---|------|
| • Isotridecanol, ethoxylated | Concentration [%] : | 5.0 | - | 10.0 |
| CAS-No.                      | : 69011-36-5        |     |   |      |
| Symbol(s)                    | : Xn                |     |   |      |
| R-phrase(s)                  | : R22, R41          |     |   |      |
| • 2-(2-Butoxyethoxy)ethanol  | Concentration [%] : | 5.0 | - | 10.0 |
| CAS-No.                      | : 112-34-5          |     |   |      |
| Index-No.                    | : 603-096-00-8      |     |   |      |
| EINECS-No.                   | : 203-961-6         |     |   |      |
| Symbol(s)                    | : Xi                |     |   |      |
| R-phrase(s)                  | : R36               |     |   |      |
| • 2-Aminoethanol             | Concentration [%] : | 1.0 | - | 5.0  |
| CAS-No.                      | : 141-43-5          |     |   |      |
| Index-No.                    | : 603-030-00-8      |     |   |      |
| EINECS-No.                   | : 205-483-3         |     |   |      |
| Symbol(s)                    | : C                 |     |   |      |
| R-phrase(s)                  | : R20/21/22, R34    |     |   |      |

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- |   |                     |           |
|---|---------------------|-----------|
| • Potassium pyrophosphate                             | Concentration [%] : | 1.0 - 5.0 |
| CAS-No. : 7320-34-5                                   |                     |           |
| EINECS-No. : 230-785-7                                |                     |           |
| Symbol(s) : Xi  |                     |           |
| R-pharse(s) : R36                                     |                     |           |
| • 2-Butoxyethanol                                     | Concentration [%] : | 1.0 - 5.0 |
| 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                       |                     |           |
| • Sodium hydroxide                                    | Concentration [%] : | 0.5 - 1.0 |
| CAS-No. : 1310-73-2                                   |                     |           |
| Index-No. : 011-002-00-6                              |                     |           |
| EINECS-No. : 215-185-5                                |                     |           |
| Symbol(s) : C   |                     |           |
| R-pharse(s) : R35                                     |                     |           |
| • 3-Lauramidopropyl trimethyl ammonium methyl sulfate | Concentration [%] : | 1.0 - 5.0 |
| CAS-No. : 10595-49-0                                  |                     |           |
| Symbol(s) : Xn  |                     |           |
| R-pharse(s) : R20/21/22, R36/38, R43                  |                     |           |

#### 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 : Take person to fresh air. If necessary, seek medical advice.

#### 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.

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### Storage

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limit Values

Components	CAS-No.	Values	Type	Revision Date	Basis
2-(2-Butoxyethoxy)ethanol	112-34-5	67.5 mg/m <sup>3</sup>	TWA	02 2006	EU ELV
2-Aminoethanol	141-43-5	101.2 mg/m <sup>3</sup>	STEL	02 2006	EU ELV
		7.6 mg/m <sup>3</sup>	TWA	2005	EH40 WEL
		15 mg/m <sup>3</sup>	STEL	2005	EH40 WEL
		2.5 mg/m <sup>3</sup>	TWA	02 2006	EU ELV
Sodium hydroxide	1310-73-2	7.6 mg/m <sup>3</sup>	STEL	02 2006	EU ELV
		2 mg/m <sup>3</sup>	STEL	2005	EH40 WEL
2-Butoxyethanol	111-76-2	98 mg/m <sup>3</sup>	TWA	05 2003	EU ELV
		246 mg/m <sup>3</sup>	STEL	05 2003	EU ELV
		25 ppm	TWA	2005	EH40 WEL
		50 ppm	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. Avoid inhaling vapour. 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 : Dark blue
- Odour : Weak odour.

### Important Health Safety and Environmental Information

- Vapour pressure (20 °C) : 23.00 hPa
- Relative density (20 °C) : 1.050
- Solubility/qualitative : Miscible with water at all ratios.
- pH : 13.4
- Melting point/range :  $<$  0 °C

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Boiling point/range : > 100 °C

### 10. STABILITY AND REACTIVITY

Stability : The product is stable under normal conditions of storage and use.  
Hazardous decomposition products : None

### 11. TOXICOLOGICAL INFORMATION

Irritating to skin.  
Risk of serious damage to eyes.  
May cause sensitization by skin contact.

Toxicity data specific for individual ingredients in their pure state:

#### Acute oral toxicity

- Isotridecanol, ethoxylated : LD50 rat < 2,000 mg/kg
- 2-(2-Butoxyethoxy)ethanol : LD50 rat 5,660 mg/kg
- 2-Aminoethanol : LD50 rat 1,720 mg/kg
- Potassium pyrophosphate : LD50 rat 4,640 mg/kg
- 2-Butoxyethanol : LD50 rat 470 mg/kg
- Sodium hydroxide : LDLO rabbit 500 mg/kg

#### Acute inhalation toxicity

- 2-Aminoethanol : LC50 mouse > 2.4 mg/l/ 2 h
- 2-Butoxyethanol : LC50 rat 2.9 mg/l/ 7 h

#### Acute dermal toxicity

- Isotridecanol, ethoxylated : LD50 rat > 2,000 mg/kg
- 2-(2-Butoxyethoxy)ethanol : LD50 rabbit 2,700 mg/kg
- 2-Aminoethanol : LD50 rabbit 1,020 mg/kg
- Potassium pyrophosphate : LD50 rabbit > 4,640 mg/kg
- 2-Butoxyethanol : LD50 rabbit 220 mg/kg

#### Other information

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

### 12. ECOLOGICAL INFORMATION

#### Elimination information (persistence and degradability)

##### Biodegradation

- 2-(2-Butoxyethoxy)ethanol : OECD 301D Assessment of biological degradability 76 % after 28 d

#### Ecotoxicity effects

Ecotoxicity data specific for individual ingredients in their pure state:

#### Toxicity to fish

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- Isotridecanol, ethoxylated : Species: Cyprinus carpio (carp)  
LC50: > 1 mg/l/ 96 h
- 2-(2-Butoxyethoxy)ethanol : Species: Lepomis macrochirus (bluegill sunfish)  
LC50: 1,300 mg/l/ 96 h
- 2-Aminoethanol : Species: Lepomis macrochirus (bluegill sunfish)  
LC50: 329 mg/l/ 96 h
- Potassium pyrophosphate : Species: Leuciscus idus (golden orfe)  
LC50: > 100 mg/l/ 96 h
- 2-Butoxyethanol : Species: Lepomis macrochirus (bluegill sunfish)  
LC50: 1,490 mg/l/ 96 h
- Sodium hydroxide : Species: Leuciscus idus (golden orfe)  
LC50: > 133 mg/l/ 48 h

### Toxicity to daphnia

- Isotridecanol, ethoxylated : Species: Daphnia magna (water flea)  
EC50: > 1 mg/l/ 48 h
- 2-(2-Butoxyethoxy)ethanol : Species: Daphnia magna (water flea)  
EC50: > 100 mg/l/ 48 h
- 2-Aminoethanol : Species: Daphnia magna (water flea)  
EC50: > 100 mg/l/ 48 h
- 2-Butoxyethanol : Species: Daphnia magna (water flea)  
EC50: > 1,698 mg/l/ 48 h
- Sodium hydroxide : Species: Daphnia magna (water flea)  
EC50: > 100 mg/l/ 48 h

### Toxicity to algae

- Isotridecanol, ethoxylated : Species: Scenedesmus subspicatus (algae)  
EC50: > 1 mg/l/ 72 h
- 2-(2-Butoxyethoxy)ethanol : Species: Scenedesmus quadricauda (algae)  
EC50: > 100 mg/l/ 24 h
- 2-Aminoethanol : Species: Scenedesmus quadricauda (algae)  
EC5: 0.8 mg/l/ 8 d

### Toxicity to bacteria

- 2-(2-Butoxyethoxy)ethanol : Species: Pseudomonas putida (bacteria)  
EC10: 1,170 mg/l/ 16 h
- 2-Aminoethanol : Species: Pseudomonas putida (bacteria)  
EC50: > 1,000 mg/l/ 3 h
- 2-Butoxyethanol : Species: Pseudomonas putida (bacteria)  
EC0: > 700 mg/l/ 16 h

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 : 20 01 29 (detergents containing dangerous substances).

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### 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.	: 10595-49-0	3-Lauramidopropyl trimethyl ammonium methyl sulfate
Symbol(s)	: Xi	Irritant
R-phrases(s)	: R38	Irritating to skin.
	R41	Risk of serious damage to eyes.
	R43	May cause sensitization by skin contact.
S-phrases(s)	: S23	Do not breathe gas/fumes/vapour/spray.
	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37/39	Wear suitable gloves and eye/face protection.
	S64	If swallowed, rinse mouth with water (only if the person is conscious).

### 16. OTHER INFORMATION

Section(s) changed compared to the previous issue: 3, 15

#### Further information

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

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R22	Harmful if swallowed.
R34	Causes burns.
R35	Causes severe burns.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.

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.

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