

<b>ABX Minipack LMG</b>	<b>A91A00202HEN</b>	<b>Revision</b> <b>09/05/2011</b>
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**1. Product and company identification****1.1. Identification of the product**

Product name:	ABX Minipack LMG
Product code:	Ref. : 0602050

**1.2. Use of the product**

SEE SAFETY DATA SHEET ATTACHED (3)

**1.3. Company identification**

	HORIBA ABX SAS - Rue du Caducée - Parc Euromédecine BP7290 - 34184 MONTPELLIER CEDEX 4 - FRANCE Tel: + 33 (0) 4 67 14 15 16 Fax: + 33 (0) 4 67 14 15 17 Email: documentation.med@horiba.com
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**1.4. Emergency phone number**

Company :	+ 800 67 14 15 16
French official advisory body :	ORFILA (INRS) : + 33 (0) 1 45 42 59 59

**2. Hazards identification****Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): Yes**

Most important hazards:	SEE SAFETY DATA SHEET ATTACHED (3)
Specific risks	SEE SAFETY DATA SHEET ATTACHED (3)

**3. Composition/information on ingredients****3.1. Description of the kit**

	ABX MINIPACK LMG is composed of:  R1 : 0.5L ABX Miniclean (cleaning solution) R2 : 0.3L ABX Minilyse LMG (lysing solution) R3 : 3.4L ABX Minidil LMG (diluent)
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**3.2. Hazardous ingredients (name, concentration)**

CAS N.	EC Number	Name	Concentration	Symbol	Risk
SEE SAFETY DATA SHEET ATTACHED (3)					

FORM-0307-A, revision 7

<b>ABX Miniclean 1L</b> <b>From Lot # 091228 and above</b>	<b>A91A00204FEN</b>	<b>Revision</b> <b>12/01/2010</b>
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<b>1. Product and company identification</b>	
<b>1.1. Identification of the product</b>	
Product name:	ABX Miniclean 1L
Product code:	Ref. : 0403010
<b>1.2. Use of the product</b>	
Enzymatic solution with proteolytic action for the cleaning of blood cell counters.	
<b>1.3. Company identification</b>	
	HORIBA ABX SAS - Rue du Caducée - Parc Euromédecine BP7290 - 34184 MONTPELLIER CEDEX 4 - FRANCE Tel: + 33 (0) 4 67 14 15 16 Fax: + 33 (0) 4 67 14 15 17 Email: documentation.med@horiba.com
<b>1.4. Emergency phone number</b>	
Company :	+ 800 67 14 15 16
French official advisory body :	ORFILA (INRS) : + 33 (0) 1 45 42 59 59

<b>2. Hazards identification</b>	
<b>Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No</b>	
Most important hazards:	None.
Specific risks	Product may be harmful if swallowed and can induce vomiting, fainting and diarrhoea.

<b>3. Composition/information on ingredients</b>					
<b>3.1. Description of the kit</b>					
	REAGENT : 1 x 1L Cleaning solution				
<b>3.2. Hazardous ingredients (name, concentration) : None</b>					
CAS N.	EC Number	Name	Concentration	Symbol	Risk

FORM-0307-A, revision 7

<b>ABX Miniclean 1L</b> <b>From Lot # 091228 and above</b>	<b>A91A00204FEN</b>	<b>Revision</b> <b>12/01/2010</b>
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<b>4. First-aid-measures</b>	
Inhalation:	No specific requirements.
Skin contact:	Wash skin with water and soap.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes.
Ingestion:	If patient is conscious, rinse out mouth and throat thoroughly with water. Get medical attention.

<b>5. Fire-fighting measures : Product non flammable</b>	
Extinguishing media:	Use whatever is required for the surrounding area.
Specific risks:	None determined.
Special protective equipment:	None.
Additional recommendations:	None.

<b>6. Accidental release measures</b>	
Personal precautions:	Wear a lab coat, protective gloves and safety goggles.
Environmental precautions:	Prevent from getting into sewage, water, ground.
Methods for cleaning/absorption:	Take up with absorbent material and place in a suitable container. Rinse the affected area abundantly

<b>7. Handling and storage</b>	
<b>7.1. Handling</b>	
Technical measures:	No special requirements.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	Wear gloves and protective goggles in case of prolonged handling.
<b>7.2. Storage</b>	
Technical measures:	No special requirements.
Storage conditions:	Store at 18-25°C.
Incompatible materials:	None determined.
Packaging materials:	None determined.

<b>ABX Miniclean 1L</b> <b>From Lot # 091228 and above</b>	<b>A91A00204FEN</b>	<b>Revision</b> <b>12/01/2010</b>
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<b>8. Exposure controls/personal protection</b>	
<b>8.1. Exposure limit values</b>	
Specific control parameters:	None determined.
<b>8.2. Exposure controls</b>	
<b>8.2.1. Occupational exposure controls</b>	
Technical measures:	Use general room ventilation.
Respiratory protection:	None required.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Lab coat.
Hygiene measures:	Wash hands before and after use.
<b>8.2.2. Environmental exposure controls</b>	
Not determined.	

<b>9. Physical and chemical properties</b>			
<b>9.1. General information</b>			
Physical state:	Liquid		
Colour:	Colourless	Odour:	Smells of detergent
<b>9.2. Important health, safety and environmental information</b>			
pH:	9,9 +/- 0,2 at 20°C	Relative density:	Not determined
Boiling point:	Not determined	Solubility:	Aqueous solution miscible with water
Flash point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Non-flammable	Viscosity:	Not determined
Explosive properties:	Not determined	Vapour density:	Not determined
Oxidizing properties:	Not determined	Evaporation rate:	Not determined
<b>9.3. Other information</b>			
None determined.			

<b>ABX Miniclean 1L</b> <b>From Lot # 091228 and above</b>	<b>A91A00204FEN</b>	<b>Revision</b> <b>12/01/2010</b>
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## 10. Stability and reactivity

Conditions to avoid:	None determined.
Materials to avoid:	This reagent contains less than 0.1% of sodium azide as preservative. Sodium azide may react with Pb and Cu and form dangerous material, metal azide product.
Hazardous decomposition products:	None determined.
Other data:	None.

## 11. Toxicological information

Acute toxicity:	Not determined.
Chronic toxicity:	Not determined.
Inhalation:	Not determined.
Skin contact:	Not determined.
Eye contact:	Not determined.
Ingestion:	Product may be harmful if swallowed and can induce vomiting, fainting and diarrhoea.
Other data:	None.

## 12. Ecological information

<b>12.1. Ecotoxicity:</b>	Not determined.
<b>12.2. Mobility:</b>	Not determined.
<b>12.3. Degradability:</b>	Biodegradable >90%
<b>12.4. Bioaccumulative potential:</b>	Not determined.
<b>12.5. Results of PBT assessment:</b>	Not determined.
<b>12.6. Other hazardous effects:</b>	None determined.

## 13. Disposal considerations

Surplus or waste (residues) Contaminated packaging	It is advisable to avoid or reduce the generation of waste products wherever possible. Empty containers may contain product residues. Discard all waste, unused products, and contaminated packaging in accordance with current legislation. If you are in any doubt over the regulations, further information can be obtained from the competent authorities.
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<b>ABX Miniclean 1L</b> <b>From Lot # 091228 and above</b>	<b>A91A00204FEN</b>	<b>Revision</b> <b>12/01/2010</b>
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<b>14. Transport information (International regulations)</b>	
General information:	None.
By air (IATA):	Not applicable.
By land (ADR):	Not applicable.
By sea (IMDG):	Not applicable.

<b>15. Regulatory information</b>		
Symbols:	None.	
R phrases:	None.	
S phrases:	None.	
Substances:	None.	
Specific provisions and related laws:	None.	
Other regulatory requirements:	In no way does this information exempt the user from knowing about or applying all the national or international regulations relating to his/her activity.	

<b>16. Other information</b>	
<b>16.1. List of relevant R phrases</b>	
None	
<b>16.2. Recommended restriction on use</b>	
See specific information given in the product user information.	
<b>16.3. Further information</b>	
<p>This sheet is a complement to instructions for use but does not replace them. Information contained herewith is based on our current knowledge of the product, at the date shown, and is correct to the best of our knowledge.</p> <p>Furthermore, the user's attention is drawn to the dangers of using this product for anything other than its intended use.</p> <p>The user must accept the sole responsibility and take precautions accordingly for the use of this product.</p>	
<b>16.4. Sources of key data</b>	
This document has been compiled with information extracted from documents given by our raw material suppliers.	
<b>16.5. Revision</b>	
The sections that have been modified from the previous version are indicated by a vertical line on the left side of the table.	

<b>ABX Minilyse LMG 1L</b>	<b>A91A00247IEN</b>	<b>Revision 09/05/2011</b>
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<b>1. Product and company identification</b>	
<b>1.1. Identification of the product</b>	
Product name:	ABX Minilyse LMG 1L
Product code:	Ref. : 0702010
<b>1.2. Use of the product</b>	
Erythrocyte lysing reagent for white blood cell counting and differentiation, and hemoglobin determination of blood cell counters.	
<b>1.3. Company identification</b>	
	HORIBA ABX SAS - Rue du Caducée - Parc Euromédecine BP7290 - 34184 MONTPELLIER CEDEX 4 - FRANCE Tel: + 33 (0) 4 67 14 15 16 Fax: + 33 (0) 4 67 14 15 17 Email: documentation.med@horiba.com
<b>1.4. Emergency phone number</b>	
Company :	+ 800 67 14 15 16
French official advisory body :	ORFILA (INRS) : + 33 (0) 1 45 42 59 59

<b>2. Hazards identification</b>	
<b>Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): Yes</b>	
Most important hazards:	None
Specific risks	R52 : Harmful to aquatic organisms.  Because of potassium cyanide presence, extremely toxic cyanide acid fumes may be formed when in contact with an acid.

<b>3. Composition/information on ingredients</b>					
<b>3.1. Description of the kit</b>					
	REAGENT : 1 x 1L : Lysing agent				
<b>3.2. Hazardous ingredients (name, concentration)</b>					
CAS N.	EC N°	Name	Concentration	Symbol	Risk
112-00-5	203-927-0 (EINECS)	Dodecyltrimethylammonium chloride	2.5% < C < 20%	Xn, N	R22, R36/37/38, R50/53

FORM-0307-A, revision 7

<b>ABX Minilyse LMG 1L</b>	<b>A91A00247IEN</b>	<b>Revision 09/05/2011</b>
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<b>4. First-aid-measures</b>	
Inhalation:	Provide fresh air.
Skin contact:	Wash skin with water and soap.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes. Get medical attention.
Ingestion:	If patient is conscious, rinse out mouth and throat thoroughly with water. Provide artificial respiration with added oxygen in case of intoxication by cyanidric acid. Get medical attention.

<b>5. Fire-fighting measures : Product non flammable</b>	
Extinguishing media:	Use whatever is required for the surrounding area.
Specific risks:	None determined.
Special protective equipment:	None.
Additional recommendations:	None.

<b>6. Accidental release measures</b>	
Personal precautions:	Wear a lab coat, protective gloves and safety goggles.
Environmental precautions:	Never getting into sewage, water, ground.
Methods for cleaning/absorption:	Neutralize with sodium hypochlorite solution. After neutralisation, soak up but do not throw down the sink (incineration).

<b>7. Handling and storage</b>	
<b>7.1. Handling</b>	
Technical measures:	None determined.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	Avoid contact with the eyes, skin and respiratory tract.
<b>7.2. Storage</b>	
Technical measures:	No special requirements.
Storage conditions:	Store in airtight containers, protected from light, at 18-25°C.
Incompatible materials:	Avoid all contact with acids or aqueous acid environments as extremely toxic cyanide acid fumes may be formed.
Packaging materials:	Polyethylene or other plastic.



<b>ABX Minilyse LMG 1L</b>	<b>A91A00247IEN</b>	<b>Revision 09/05/2011</b>
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<b>8. Exposure controls/personal protection</b>	
<b>8.1. Exposure limit values</b>	
Specific control parameters:	None determined.
<b>8.2. Exposure controls</b>	
<b>8.2.1. Occupational exposure controls</b>	
Technical measures:	Use general room ventilation.
Respiratory protection:	None required.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Lab coat.
Hygiene measures:	Wash hands before and after use. Eye wash and safety shower in case of prolonged handling.
<b>8.2.2. Environmental exposure controls</b>	
None determined.	

<b>9. Physical and chemical properties</b>			
<b>9.1. General information</b>			
Physical state:	Liquid, aqueous solution		
Colour:	Colourless	Odour:	Smells of cyanide
<b>9.2. Important health, safety and environmental information</b>			
pH:	10 (+/- 0.5)	Relative density:	Not determined
Boiling point:	Not determined	Solubility:	Miscible with water
Flash point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Not determined	Viscosity:	Not determined
Explosive properties:	Not determined	Vapour density:	Not determined
Oxidizing properties:	Not determined	Evaporation rate:	Not determined
<b>9.3. Other information</b>			
None.			

<b>ABX Minilyse LMG 1L</b>	<b>A91A00247IEN</b>	<b>Revision 09/05/2011</b>
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## 10. Stability and reactivity

Conditions to avoid:	Avoid all contact with the following reagents : ABX Basolyse, ABX Basolyse II. Avoid all contact with acids or aqueous acid environments as extremely toxic cyanide acid fumes may be formed.
Materials to avoid:	None determined.
Hazardous decomposition products:	Cyanide acid fumes formed upon contact with acids.
Other data:	None.

## 11. Toxicological information

Acute toxicity:	The danger of serious intoxication exists in case of absorption or inhalation. Potassium cyanide : LD50 oral rat : 10 mg/kg
Chronic toxicity:	Not determined.
Inhalation:	Not determined.
Skin contact:	Not determined.
Eye contact:	Not determined.
Ingestion:	Not determined.
Other data:	None.

## 12. Ecological information

<b>12.1. Ecotoxicity:</b>	For CAS N° 112-00-5 : Acute toxicity on Daphnia Magna. LC50 = 0.06 mg/L - 24h00.
<b>12.2. Mobility:</b>	Not determined.
<b>12.3. Degradability:</b>	Not determined.
<b>12.4. Bioaccumulative potential:</b>	Not determined.
<b>12.5. Results of PBT assessment:</b>	Not determined.
<b>12.6. Other hazardous effects:</b>	Not determined.

## 13. Disposal considerations

Surplus or waste (residues) Contaminated packaging	It is advisable to avoid or reduce the generation of waste products wherever possible. Empty containers may contain product residues. Discard all waste, unused products, and contaminated packaging in accordance with current legislation. If you are in any doubt over the regulations, further information can be obtained from the competent authorities.
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<b>ABX Minilyse LMG 1L</b>	<b>A91A00247IEN</b>	<b>Revision 09/05/2011</b>
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<b>14. Transport information (International regulations)</b>	
General information:	None.
By air (IATA):	Not applicable.
By land (ADR):	Not applicable.
By sea (IMDG):	Not applicable.

<b>15. Regulatory information</b>		
Symbols:	None	
R phrases:	R52	Harmful to aquatic organisms.
S phrases:	None	
Substances:	None.	
Specific provisions and related laws:	None.	
Other regulatory requirements:	In no way does this information exempt the user from knowing about or applying all the national or international regulations relating to his/her activity.	

<b>16. Other information</b>	
<b>16.1. List of relevant R phrases</b>	
R22 R36/37/38 R50/53 R52	Harmful if swallowed Irritating to eyes, respiratory system and skin Very Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment Harmful to aquatic organisms.
<b>16.2. Recommended restriction on use</b>	
See specific information given in the product user information.	
<b>16.3. Further information</b>	
This sheet is a complement to instructions for use but does not replace them. Information contained herewith is based on our current knowledge of the product, at the date shown, and is correct to the best of our knowledge. Furthermore, the user's attention is drawn to the dangers of using this product for anything other than its intended use. The user must accept the sole responsibility and take precautions accordingly for the use of this product.	
<b>16.4. Sources of key data</b>	
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<b>16.5. Revision</b>	
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<b>ABX Minidil LMG</b>	<b>A91A00218FEN</b>	<b>Revision</b> <b>09/05/2011</b>
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## 1. Product and company identification

### 1.1. Identification of the product

Product name:	ABX Minidil LMG
Product code:	0802010 (10L) 0802020 (20L)

### 1.2. Use of the product

Buffered isotonic solution for the determination of blood cell counting and the measurement of hematocrit on blood cell counters.

### 1.3. Company identification

	HORIBA ABX SAS - Rue du Caducée - Parc Euromédecine BP7290 - 34184 MONTPELLIER CEDEX 4 - FRANCE Tel: + 33 (0) 4 67 14 15 16 Fax: + 33 (0) 4 67 14 15 17 Email: documentation.med@horiba.com
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### 1.4. Emergency phone number

Company :	+ 800 67 14 15 16
French official advisory body :	ORFILA (INRS) : + 33 (0) 1 45 42 59 59

## 2. Hazards identification

### Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No

Most important hazards:	None.
Specific risks	May be harmful if swallowed and can induce vomiting, fainting and diarrhoea. Irritates the skin in case of prolonged contact.

## 3. Composition/information on ingredients

### 3.1. Description of the kit

	REAGENT : 1 x 10L - 1 x20L : Stabilised saline solution used as a diluent
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### 3.2. Hazardous ingredients (name, concentration) : None

CAS N.	EC Number	Name	Concentration	Symbol	Risk

<b>ABX Minidil LMG</b>	<b>A91A00218FEN</b>	<b>Revision 09/05/2011</b>
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<b>4. First-aid-measures</b>	
Inhalation:	No specific requirements.
Skin contact:	Wash skin with water.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes.
Ingestion:	If patient is conscious, rinse out mouth and throat thoroughly with water and induce vomiting. Get medical attention in case of fainting.

<b>5. Fire-fighting measures : Product non flammable</b>	
Extinguishing media:	Use whatever is required for the surrounding area.
Specific risks:	None determined.
Special protective equipment:	None.
Additional recommendations:	None.

<b>6. Accidental release measures</b>	
Personal precautions:	Wear a lab coat, protective gloves and safety goggles.
Environmental precautions:	Prevent from getting into sewage, water, ground.
Methods for cleaning/absorption:	Soak up and put in the waste. Wash the affected area with water.

<b>7. Handling and storage</b>	
<b>7.1. Handling</b>	
Technical measures:	No special requirements.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	Wear gloves in case of prolonged handling.
<b>7.2. Storage</b>	
Technical measures:	No special requirements.
Storage conditions:	Store protected from light at 18-25°C.
Incompatible materials:	None.
Packaging materials:	No special requirements.

<b>ABX Minidil LMG</b>	<b>A91A00218FEN</b>	<b>Revision 09/05/2011</b>
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<b>8. Exposure controls/personal protection</b>	
<b>8.1. Exposure limit values</b>	
Specific control parameters:	None determined.
<b>8.2. Exposure controls</b>	
<b>8.2.1. Occupational exposure controls</b>	
Technical measures:	Use general room ventilation.
Respiratory protection:	None required.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Lab coat.
Hygiene measures:	Wash hands before and after use.
<b>8.2.2. Environmental exposure controls</b>	
None determined	

<b>9. Physical and chemical properties</b>			
<b>9.1. General information</b>			
Physical state:	Liquid		
Colour:	Colourless	Odour:	Odourless
<b>9.2. Important health, safety and environmental information</b>			
pH:	7.0 +/-0.1	Relative density:	Not determined
Boiling point:	Not determined	Solubility:	Aqueous solution miscible with water
Flash point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Non-flammable	Viscosity:	Not determined
Explosive properties:	Not determined	Vapour density:	Not determined
Oxidizing properties:	Not determined	Evaporation rate:	Not determined
<b>9.3. Other information</b>			
None.			

<b>ABX Minidil LMG</b>	<b>A91A00218FEN</b>	<b>Revision 09/05/2011</b>
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## 10. Stability and reactivity

Conditions to avoid:	None determined.
Materials to avoid:	This reagent contains less than 0.1% of sodium azide as preservative. Sodium azide may react with Pb and Cu and form dangerous material, metal azide product.
Hazardous decomposition products:	Not determined.
Other data:	None.

## 11. Toxicological information

Acute toxicity:	Not determined.
Chronic toxicity:	Not determined.
Inhalation:	Not determined.
Skin contact:	Not determined.
Eye contact:	Not determined.
Ingestion:	Not determined.
Other data:	None.

## 12. Ecological information

<b>12.1. Ecotoxicity:</b>	Not determined.
<b>12.2. Mobility:</b>	Not determined.
<b>12.3. Degradability:</b>	Biodegradability > 90%.
<b>12.4. Bioaccumulative potential:</b>	Not determined.
<b>12.5. Results of PBT assessment:</b>	Not determined.
<b>12.6. Other hazardous effects:</b>	None determined.

## 13. Disposal considerations

Surplus or waste (residues) Contaminated packaging	It is advisable to avoid or reduce the generation of waste products wherever possible. Empty containers may contain product residues. Discard all waste, unused products, and contaminated packaging in accordance with current legislation. If you are in any doubt over the regulations, further information can be obtained from the competent authorities.
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<b>ABX Minidil LMG</b>	<b>A91A00218FEN</b>	<b>Revision 09/05/2011</b>
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<b>14. Transport information (International regulations)</b>	
General information:	None.
By air (IATA):	Not applicable.
By land (ADR):	Not applicable.
By sea (IMDG):	Not applicable.

<b>15. Regulatory information</b>		
Symbols:	None	
R phrases:	None	
S phrases:	None	
Substances:	None	
Specific provisions and related laws:	None	
Other regulatory requirements:	In no way does this information exempt the user from knowing about or applying all the national or international regulations relating to his/her activity.	

<b>16. Other information</b>	
<b>16.1. List of relevant R phrases</b>	
None	
<b>16.2. Recommended restriction on use</b>	
See specific information given in the product user information.	
<b>16.3. Further information</b>	
<p>This sheet is a complement to instructions for use but does not replace them. Information contained herewith is based on our current knowledge of the product, at the date shown, and is correct to the best of our knowledge.</p> <p>Furthermore, the user's attention is drawn to the dangers of using this product for anything other than its intended use.</p> <p>The user must accept the sole responsibility and take precautions accordingly for the use of this product.</p>	
<b>16.4. Sources of key data</b>	
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<b>16.5. Revision</b>	
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