Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830 - United Kingdom (UK)



SAFETY DATA SHEET

A91A00712K EN

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier	
Product name	: ABX VET Pack
SAP Code	: 1210604052
Product is part of kit	: 0604052
Product description	: ABX VET Pack is composed of: R1: 0.5 L Cleaner Vet R2: 0.3 L ABC Lyse LMGE R3: 3.4 L ABX Minidil LMG

1.2 Relevant identified uses of the substance or mixture and uses advised against

ABX VET Pack is constituted of 3 reagents (R1: cleaning solution, R2: lysing solution, R3: diluent) and a waste container intended for use on blood cell counters.

1.3 Details of the supplier of the safety data sheet

HORIBA ABX SAS	
Parc Euromédecine	
Rue du Caducée	
BP 7290	
34184 Montpellier Cedex 4	
FRANCE	
Tel: +33 (0) 4 67 14 15 16	
Fax: +33 (0) 4 67 14 15 17	
e-mail address of person responsible for this SDS	: documentation.med@horiba.com
	: documentation.med@noriba.com

1.4 Emergency telephone number

National advisory body/Poison Centre			
Telephone number	: +44 (0)20 7771 5310		
<u>Supplier</u>			
Telephone number	: + 800 67 14 15 16		

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture <u>Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]</u> SEE MATERIAL SAFETY DATA SHEET ATTACHED (3)

SECTION 3: Composition/information on ingredients

Substance/mixture

: SEE MATERIAL SAFETY DATA SHEET ATTACHED (3)

Date of issue/Date of revision : 17/10/2019

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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830 - United Kingdom (UK)



SAFETY DATA SHEET

A91A00899A EN

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier	
Product name	: Cleaner (PACK 0.5L) Vet
Product code	: 1300070950
SAP Code	: 1300070950
Product description	: 0.5 L
Product type	: Liquid.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Cleaner Vet is an enzymatic solution intended for *in vitro* diagnostic use with proteolytic action for the cleaning of HORIBA Medical blood cell counters.

1.3 Details of the supplier of the safety data sheet

HORIBA ABX SAS	
Parc Euromédecine	
Rue du Caducée	
BP 7290	
34184 Montpellier Cedex 4	
FRANCE	
Tel: +33 (0) 4 67 14 15 16	
Fax: +33 (0) 4 67 14 15 17	
e-mail address of person	: documentation.med@horiba.com
responsible for this SDS	

1.4 Emergency telephone number

National advisory body/P	oison	<u>Centre</u>
Telephone number	:	+44 (0)20 7771 5310
<u>Supplier</u>		

 Telephone number
 : + 800 67 14 15 16

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word Hazard statements <u>Precautionary statements</u>	No signal word.No known significant effects or critical hazards.
Prevention	: Not applicable.
Response	: Not applicable.
Storage	: Not applicable.

Date of issue/Date of revision : 17/10/2019

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SECTION 2: Hazards identification

Disposal	: Not applicable.
Supplemental label elements	: Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
2.3 Other hazards	
Other hazards which do not result in classification	: None known.

SECTION 3: Composition/information on ingredients

```
Substance/mixture
```

: Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

SECTION 4: First aid measures

4.1 Description of first aid measures Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Ingestion : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. **Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms			
Eye contact	: No specific data.		
Inhalation	: No specific data.		
Skin contact	: No specific data.		
Ingestion	: No specific data.		

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Our existing the extension for	

Specific treatments : No specific treatment.

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SECTION 5: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
5.2 Special hazards arising f	ron	n the substance or mixture
Hazards from the substance or mixture	:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	:	No specific data.
5.3 Advice for firefighters		
Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Date of issue/Date of revision		: 17/10/2019	3/11
Large spill	:	Stop leak if without risk. Move containers from spill area. Prevent entry into sew water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth place in container for disposal according to local regulations. Dispose of via licensed waste disposal contractor.	arth
Small spill		Stop leak if without risk. Move containers from spill area. Dilute with water and up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.	
6.3 Methods and material for	co	ntainment and cleaning up	
Other information	:	This preparation contains a small amount of sodium azide. Sodium azide is harm to aquatic organisms and can react with copper, lead, brass or solder in plumbin system and form potentially explosive metal azides. Prevent preparation from entering the drain and water intakes in the environment. If preparation enters the drain, flush with large amounts of water to prevent azide build up. Follow proper disposal procedures.	ng e
6.2 Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drain and sewers. Inform the relevant authorities if the product has caused environme pollution (sewers, waterways, soil or air).	
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".	
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate person protective equipment.	

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SECTION 6: Accidental release measures

6.4 Reference to other	See Section 1 for emergency contact information.
sections	See Section 8 for information on appropriate personal protective equipment.
	See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 5 to 25°C (41 to 77°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Recommendations

: Due to sodium azide, incompatible with acid and some metals. Forms explosionsensitive compounds.

7.3 Specific end use(s)	
Recommendations	: Not available.
Industrial sector specific	: Not available.
solutions	

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Recommended monitoring procedures If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

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SECTION 8: Exposure controls/personal protection

No DNELs/DMELs available.

PNECs

No PNECs available

2 Exposure controls		
Appropriate engineering controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
ndividual protection meas	ures	
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties		
<u>Appearance</u>		
Physical state	: Liquid.	
Colour	: Colourless.	
Odour	: Detergent.	
Odour threshold	: Not available.	
рН	: 9,4 to 10,4	
Melting point/freezing point	: Not available.	
Initial boiling point and boiling range	: Not available.	
Flash point	: Not applicable.	
Evaporation rate	: Not available.	
Flammability	: Non-flammable.	
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Upper/lower flammability or explosive limits	:	Not available.
Vapour pressure	:	Not available.
Vapour density	:	Not available.
Relative density	:	Not available.
Solubility(ies)	:	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/ water	:	Not available.
Auto-ignition temperature	:	Not applicable.
Decomposition temperature	:	Not available.
Viscosity	:	Not available.
Explosive properties	:	Not available.
Oxidising properties	1	Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity		
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.	
10.2 Chemical stability	: The product is stable.	
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.	
10.4 Conditions to avoid Recommendations	 No specific data. This reagent contains sodium azide as preservative. Sodium azide may react with Pb and Cu and form dangerous material, metal azide product. 	
10.5 Incompatible materials	: No specific data.	
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.	

SECTION 11: Toxicological information

11.1 Information on toxico	logical effects	
Acute toxicity		
No known significant effe	ects or critical hazards.	
Acute toxicity estimates Not available.	i	
Irritation/Corrosion No known significant effec	ts or critical hazards.	
<u>Sensitisation</u> Conclusion/Summary <u>Mutagenicity</u>	: Not available.	
Conclusion/Summary	: Not available.	
Date of issue/Date of revis	ion : 17/10/2019	

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SECTION 11: Toxicological information

SECTION 11: TOXICOI	ogical information
Carcinogenicity	
Conclusion/Summary	: Not available.
Reproductive toxicity	
Conclusion/Summary	: Not available.
Teratogenicity	
Conclusion/Summary	: Not available.
Specific target organ toxicit	<u>y (single exposure)</u>
Not available.	
Specific target organ toxicit	<u>v (repeated exposure)</u>
Not available.	
Aspiration hazard	
Not available.	
Information on likely routes	: Not available.
of exposure	. Not available.
Potential acute health effects	
Eye contact	. No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
•	
Symptoms related to the phy	sical, chemical and toxicological characteristics
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
	ts as well as chronic effects from short and long-term exposure
Short term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate	: Not available.
effects	
Potential delayed effects	: Not available.
Potential chronic health effe	<u>ects</u>
Conclusion/Summary	: Not available.
General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Date of issue/Date of revision : 17/10/2019

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Cleaner (PACK 0.5L) Vet

SECTION 11: Toxicological information	
Other information	: Ingestion may cause nausea, diarrhea and vomiting.

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPv	Ba	ssessment
PBT	1	Not applicable.
vPvB	4	Not applicable.

12.6 Other adverse effects

: No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product		
Methods of disposal	:	The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	-	Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.
Packaging		
Methods of disposal	:	The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	:	This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Date of issue/Date of revision : 17/10/2019



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830 - United Kingdom (UK)

Cleaner (PACK 0.5L) Vet

SECTION 14: Transport information

	•			
	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

user

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable.

on the manufacture, placing on the market and use of certain dangerous substances,

mixtures and articles

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU) Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

Biocidal products regulation

: Not applicable.

Active substances

Date of issue/Date of revision : 17/10/2019

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2015/830 - United Kingdon Cleaner (PACK 0.5L) Vet	m (UK)			
SECTION 15: Reg	ulato	y information		
Ingredient name				%
2-methyl-2H-isothiazol-3 octhilinone (ISO)	3-one		-	0 - 0.25 0 - 0.25
International regulations				
Chemical Weapon Conv Not listed.	<u>ention</u>	List Schedules I, II & III Chemicals		
Montreal Protocol (Anne Not listed.	exes A,	<u>B, C, E)</u>		
Stockholm Convention Not listed.	<u>on Pers</u>	sistent Organic Pollutants		
Rotterdam Convention of Not listed.	on Prio	r Informed Consent (PIC)		
UNECE Aarhus Protoco Not listed.	<u>l on PO</u>	Ps and Heavy Metals		
Inventory list				
Australia	:	All components are listed or exempted.		
Canada		All components are listed or exempted.		
China		All components are listed or exempted.		
Europe		All components are listed or exempted.		
Japan	:	Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.		
Malaysia	:	Not determined.		
New Zealand	:	All components are listed or exempted.		
Philippines	:	All components are listed or exempted.		
Republic of Korea	:	All components are listed or exempted.		
Taiwan	:	Not determined.		
Thailand	:	Not determined.		
Turkey	:	Not determined.		
United States	:	All components are listed or exempted.		
Viet Nam	:	Not determined.		
15.2 Chemical safety assessment		This product contains substances for which Cher required.	nical Safety Ass	essments are still
SECTION 16: Othe	er info	ormation		
Revision comments	:	Not available.		
Indicates information the second s	hat has o	changed from previously issued version.		
Abbreviations and acronyms	:	ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Re 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level ELH statement = CLP specific Hazard statement		ation (EC) No.

EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

: 17/10/2019

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SECTION 16: Other information

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Full text of abbreviated H statements

Not applicable.

Full text of classifications [CLP/GHS]

Not applicable.

Date of printing	: 17/10/2019
Date of issue/ Date of revision	: 17/10/2019
Version	: 1
Notice to reader	

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Date of issue/Date of revision : 17/10/2019



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 830/2015 - United Kingdom (UK)



SAFETY DATA SHEET

A91A00303H EN

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

Product name Product code Product description Product type : ABC Lyse LMGE 0.3 L

: 0801104 : 0.3 L

. .

: Liquid.

1.2 Relevant identified uses of the substance or mixture and uses advised against

ABC Lyse LMGE is a lysing solution intended for *in vitro* diagnostic use and designed for lysing erythrocytes (RBC) for leucocytes (WBC) counting and differentiation and for hemoglobin determination on HORIBA Medical blood cell counters.

1.3 Details of the supplier of the safety data sheet

HORIBA ABX SAS Parc Euromédecine - Rue du Caducée BP 7290 34184 MONTPELLIER CEDEX 4 - FRANCE Tel: +33 (0) 4 67 14 15 16 Fax: +33 (0) 4 67 14 15 17 e-mail address of person : documentation.med@horiba.com responsible for this SDS 1.4 Emergency telephone number National advisory body/Poison Centre Telephone number : +44 (0)20 7771 5310 United Kingdom (UK)

Supplier Telephone number : + 800 67 14 15 16

SECTION 2: Hazards identification

 2.1 Classification of the substance or mixture

 Product definition
 : Mixture

 Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

 Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements Signal word

Hazard statements

: No signal word.

: No known significant effects or critical hazards.

Date of issue/Date of revision : 02/10/2017.

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1/12 HORIBA

SECTION 2: Hazards identification

Precautionary statements		
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	Safety data sheet available on request.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.
2.3 Other hazards		
Other hererde which do		Nono known

Other hazards which do : None known. not result in classification

SECTION 3: Composition/information on ingredients

Substance/mixture	: Mixture				
			Class	<u>ification</u>	
Product/ingredient name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Туре
dodecyltrimethylammonium chloride	EC: 203-927-0 CAS: 112-00-5	>=1 - <2,5	Xi; R36/37/38 N; R51/53	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400	[1]
			See Section 16 for the full text of the R- phrases declared above.	See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.



SECTION 4: First aid measures

4.1 Description of first aid n	neasures
Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health	<u>n effects</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	 Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs	/symptoms
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
4.3 Indication of any in	nmediate medical attention and special treatment needed
Notes to physician	 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing	: Use an extinguishing agent suitable for the surrounding fire.
media	
Unsuitable extinguishing media	: None known.
5.2 Special hazards arising f	from the substance or mixture

Hazards from the : In a fire or if heated, a pressure increase will occur and the container may burst. substance or mixture

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SECTION 5: Firefighting measures

Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
5.3 Advice for firefighters	
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective	: Fire-fighters should wear appropriate protective equipment and self-contained

Special protective equipment for fire-fighters
 Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, prot	ective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and materials for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

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SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures Advice on general occupational hygiene	 Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2 Conditions for safe storage, including any incompatibilities	: Store between the following temperatures: 5 to 25°C (41 to 77°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
7.3 Specific end use(s)	
Recommendations	: Not available.
Industrial sector specific solutions	: Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker or exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Recommended monitoring procedures If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

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SECTION 8: Exposure controls/personal protection

Appropriate engineering controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Individual protection meas	ures	<u>1</u>
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

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Vapour density	: Not available.	
Vapour pressure	: Not available.	
Upper/lower flammability or explosive limits	: Not available.	
Flammability	: Non-flammable.	
Evaporation rate	: Not available.	
Flash point	: Not applicable.	
Initial boiling point and boiling range	: Not available.	
Melting point/freezing point	: Not available.	
pH Molting point/frequing point	: 10 to 11	
Odour threshold	: Not available.	
Odour	: Not available.	
Colour	: Yellowish.	
Physical state	: Liquid.	
<u>Appearance</u>		
9.1 Information on basic physic	al and chemical properties	

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Relative density	1	Not available.
Solubility(ies)	1	Soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/ water	:	Not available.
Auto-ignition temperature	:	Not applicable.
Decomposition temperature	:	Not available.
Viscosity	:	Not available.
Explosive properties	:	Not available.
Oxidising properties	1	Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity		
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.	
10.2 Chemical stability	: The product is stable.	
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.	
10.4 Conditions to avoid	: No specific data.	
10.5 Incompatible materials	: No specific data.	
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.	

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No known significant effects or critical hazards.

Acute toxicity estimates

Route	ATE value
Oral	41666,7 mg/kg

Irritation/Corrosion

No known significant effects or critical hazards.

Sensitisation	
Conclusion/Summary	: Not available.
Mutagenicity	
Conclusion/Summary	: Not available.
Carcinogenicity	
Conclusion/Summary	: Not available.

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SECTION 11: Toxicological information

SECTION 11: Toxico	logical information
Reproductive toxicity	
Conclusion/Summary	: Not available.
<u>Teratogenicity</u>	
Conclusion/Summary	: Not available.
Specific target organ toxici	t <u>y (single exposure)</u>
Not available.	
Specific target organ toxici	t <u>y (repeated exposure)</u>
Not available.	
Aspiration hazard	
Not available.	
Information on the likely routes of exposure	: Not available.
Potential acute health effects	<u>s</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Symptoms related to the phy	vsical, chemical and toxicological characteristics
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
Delayed and immediate effect	cts and also chronic effects from short and long term exposure
<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	ects
Conclusion/Summary	: Not available.
General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

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SECTION 11: Toxicological information

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
dodecyltrimethylammonium chloride	Acute EC50 190 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute LC50 0,06 mg/l	Daphnia	48 hours

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil Soil/water partition coefficient (Koc)	: Not available.			
Mobility	: Not available.			
12.5 Results of PBT and vPvB assessment				
PBT	: Not applicable.			

- vPvB : Not applicable.
- **12.6 Other adverse effects** : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

<u>Product</u>		
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.	
Hazardous waste	 Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC. 	
Packaging		
Methods of disposal	 The generation of waste should be avoided or minimised wherever possible. Was packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 	te
Special precautions	: This material and its container must be disposed of in a safe way. Empty containe or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.	rs
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SECTION 13: Disposal considerations

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

user

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern (SVHC)

None of the components are listed.

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market

and use of certain dangerous substances, mixtures and articles

Other EU regulations

Europe inventory

: All components are listed or exempted.

Seveso II Directive

This product is not controlled under the Seveso II Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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SECTION 15: Regulatory information

Montreal Protocol (Annexes A	<u>, B, C, E)</u>
Not listed.	
Stockholm Convention on Per	sistent Organic Pollutants
Not listed.	
Rotterdam Convention on Price	or Inform Consent (PIC)
Not listed.	
UNECE Aarhus Protocol on Po	<u>DPs and Heavy Metals</u>
Not listed.	
International lists	
National inventory	
Australia :	All components are listed or exempted.
Canada :	All components are listed or exempted.
China :	All components are listed or exempted.
Japan :	Not determined.
Malaysia :	Not determined.
New Zealand :	All components are listed or exempted.
Philippines :	All components are listed or exempted.
Republic of Korea :	All components are listed or exempted.
Taiwan :	Not determined.
United States :	United States inventory (TSCA 8b): Not determined.
15.2 Chemical Safety : Assessment	This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Revision comments	: New MSDS form.
Indicates information that ha	s changed from previously issued version.
Abbreviations and acronyms	: ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification		Justification
Not classified.		
Full text of abbreviated H statements	: F 302 H315 H319 H400	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Very toxic to aquatic life.

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SECTION 16: Other information

Full text of classifications [CLP/GHS]	Koute Tox. 4, H302 AQuatic Acute 1, H400 Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin String State 1 ACUTE TOXICITY (oral) - Category 4 ACUTE AQUATIC HAZARD - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Full text of abbreviated R phrases	: ₱36/37/38- Irritating to eyes, respiratory system and skin. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Full text of classifications [DSD/DPD]	: Ki - Irritant N - Dangerous for the environment
Date of printing	: 02/10/2017.
Date of issue/ Date of revision	: 02/10/2017.
Version	: 3

Version

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 830/2015 - United Kingdom (UK)



SAFETY DATA SHEET

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SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier	
Product name	: ABX Minidil LMG 3.4 L
Product code	: 0801012
Product description	: 3.4 L
Product type	: Liquid.

1.2 Relevant identified uses of the substance or mixture and uses advised against

ABX Minidil LMG is a buffered isotonic solution intended for in vitro diagnostic use and designed for the determination of blood cells counting, and the measurement of hematocrit on HORIBA Medical blood cell counters.

1.3 Details of the supplier of the safety data sheet

HORIBA ABX SAS Parc Euromédecine - Rue du Caducée BP 7290 34184 MONTPELLIER CEDEX 4 - FRANCE Tel: +33 (0) 4 67 14 15 16 Fax: +33 (0) 4 67 14 15 17 e-mail address of person : documentation.med@horiba.com responsible for this SDS

1.4 Emergency telephone number

National advisory body/Po	<u>oison Centre</u>
Telephone number United Kingdom (UK)	: +44 (0)20 7771 5310
<u>Supplier</u>	
Telephone number	: + 800 67 14 15 16

SECTION 2: Hazards identification

 2.1 Classification of the substance or mixture

 Product definition
 : Mixture

 Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

 Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 11 for more detailed information on health effects and symptoms.

•	No signal word. No known significant effects or critical hazards.	
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SECTION 2: Hazards identification

Prevention	: Not applicable.
Response	: Not applicable.
Storage	: Not applicable.
Disposal	: Not applicable.
Supplemental label elements	: Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
2.3 Other hazards Other hazards which do not result in classification	: None known.

SECTION 3: Composition/information on ingredients

Substance/mixture

: Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs	/symptoms
Eye contact	: No specific data.

Inhalation : No specific data.

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Skin contact	: No specific data.
Ingestion	: No specific data.
4.3 Indication of any imm	ediate medical attention and special treatment needed
4.3 Indication of any imm Notes to physician	 rediate medical attention and special treatment needed Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: Firefighting measures

SECTION 1. First aid moasuros

5.1 Extinguishing media		
Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
5.2 Special hazards arising f	iron	ו the substance or mixture
Hazards from the substance or mixture	:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	No specific data.
5.3 Advice for firefighters		
Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures For non-emergency personnel No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. For emergency responders For emergency responders For emergency responders Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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SECTION 6: Accidental release measures

Other information	: This preparation contains a small amount of sodium azide. Sodium azide is harmful to aquatic organisms and can react with copper, lead, brass or solder in plumbing system and form potentially explosive metal azides. Prevent preparation from entering the drain and water intakes in the environment. If preparation enters the drain, flush with large amounts of water to prevent azide build up. Follow proper disposal procedures.
6.3 Methods and materials fo	r containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	:	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2 Conditions for safe storage, including any incompatibilities	:	Store between the following temperatures: 5 to 25°C (41 to 77°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
Recommendations	:	Due to sodium azide, incompatible with acid and some metals. Forms explosion- sensitive compounds.
Other information	:	Store away from light.
7.3 Specific end use(s)		
Recommendations	:	Not available.
Industrial sector specific solutions	:	Not available.

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SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker or exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

o.z Exposure controis					
Appropriate engineering controls	:	Sood general ventilation should be sufficient to control worker exposure to airborne contaminants.			
Individual protection measures					
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.			
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.			
Skin protection					
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.			
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.			
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.			
Respiratory protection	:	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.			

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SECTION 8: Exposure controls/personal protection

Environmental exposure : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. controls In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

•		
9.1 Information on basic physica	l a	nd chemical properties
<u>Appearance</u>		
Physical state	:	Liquid. [Clear aqueous solution]
Colour	1	Colourless.
Odour	1	Odourless.
Odour threshold	:	Not available.
рН	:	6 to 7
Melting point/freezing point	:	Not available.
Initial boiling point and boiling range	:	Not available.
Flash point	:	Not applicable.
Evaporation rate	:	Not available.
Flammability	:	Non-flammable.
Upper/lower flammability or explosive limits	:	Not available.
Vapour pressure	:	Not available.
Vapour density	:	Not available.
Relative density	:	Not available.
Solubility(ies)	:	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/ water	;	Not available.
Auto-ignition temperature	:	Not applicable.
Decomposition temperature	:	Not available.
Viscosity	:	Not available.
Explosive properties	:	Not available.
Oxidising properties	:	Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity			
10.1 Reactivity	No specific test data related to reactivity available for this product or its ingredie	ents.	
10.2 Chemical stability	The product is stable.		
10.3 Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occu	r.	
10.4 Conditions to avoid	No specific data.		
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SECTION 10: Stability and reactivity			
Recommendations	: This reagent contains sodium azide as preservative. Sodium azide may react with Pb and Cu and form dangerous material, metal azide product.		
10.5 Incompatible materials	: No specific data.		
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.		

SECTION 11: Toxicological information	n
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11.1 Information on toxicolo Acute toxicity	ogical effects				
No known significant effec	No known significant effects or critical hazards.				
Acute toxicity estimates					
Not available.					
Irritation/Corrosion					
No known significant effects or critical hazards.					
<u>Sensitisation</u>					
Conclusion/Summary	: Not available.				
Mutagenicity					
Conclusion/Summary	: Not available.				
Carcinogenicity					
Conclusion/Summary	: Not available.				
Reproductive toxicity					
Conclusion/Summary	: Not available.				
Teratogenicity					
Conclusion/Summary	: Not available.				
Specific target organ toxic	<u>ity (single exposure)</u>				
Not available.					
Specific target organ toxic	<u>ity (repeated exposure)</u>				
Not available.					
Aspiration hazard					
Not available.					
Information on the likely routes of exposure	: Not available.				
Potential acute health effect	<u>ts</u>				
Eye contact	: No known significant effects or critical hazards.				
Inhalation	: No known significant effects or critical hazards.				
Skin contact	: No known significant effects or critical hazards.				
Ingestion	: No known significant effects or critical hazards.				
Symptoms related to the ph	vsical, chemical and toxicological characteristics				
Eye contact	: No specific data.				
Inhalation	: No specific data.				
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SECTION 11: Toxicological information

		—
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Delayed and immediate effect	ts	and also chronic effects from short and long term exposure
<u>Short term exposure</u>		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Long term exposure		
Potential immediate	:	Not available.
effects		
Potential delayed effects	4	Not available.
Potential chronic health effe	ect	<u>s</u>
Conclusion/Summary	1	Not available.
General	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Teratogenicity	:	No known significant effects or critical hazards.
Developmental effects	:	No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity	
Conclusion/Summary	: Not available.
12.2 Persistence and degrac	lability
Conclusion/Summary	: Not available.
12.3 Bioaccumulative poten Not available.	tial
12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.
12.5 Results of PBT and vPv	/B assessment
РВТ	: Not applicable.
vPvB	: Not applicable.
12.6 Other adverse effects	: No known significant effects or critical hazards.

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SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	 Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	F	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

user

14.6 Special precautions for : **Fransport within user's premises**: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: Regulatory information

0	5
15.1 Safety, health and env	ironmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 19	<u>907/2006 (REACH)</u>
Annex XIV - List of subs	tances subject to authorisation
Annex XIV	
None of the components	are listed.
Substances of very hig	<u>h concern (SVHC)</u>
None of the components	are listed.
Annex XVII - Restrictions	s : Not applicable.
on the manufacture,	
placing on the market and use of certain	
dangerous substances,	
mixtures and articles	
Other EU regulations	
Europe inventory	: All components are listed or exempted.
Seveso II Directive	
This product is not control	led under the Seveso II Directive.
International regulations	
Chemical Weapon Conve	ntion List Schedules I, II & III Chemicals
Not listed.	
Montreal Protocol (Annex	es A, B, C, E)
Not listed.	
Stockholm Convention or	<u>n Persistent Organic Pollutants</u>
Not listed.	The sistent organic rollidants
	<u>ı Prior Inform Consent (PIC)</u>
Not listed.	
UNECE Aarhus Protocol	on POPs and Heavy Metals
Not listed.	
International lists	
National inventory	
Australia	: All components are listed or exempted.
Canada	: At least one component is not listed in DSL but all such components are listed in
	NDSL.
China	: All components are listed or exempted.
Japan	: All components are listed or exempted.
Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
United States	: United States inventory (TSCA 8b): All components are listed or exempted.
15.2 Chemical Safety Assessment	: This product contains substances for which Chemical Safety Assessments are still required.

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SECTION 16: Other information

Revision comments	: Cassification according to Regulation (EC) No. 1272/2008 [CLP/GHS]			
Indicates information that has changed from previously issued version.				
Abbreviations and acronyms	 ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative 			

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification		Justification	
Not classified.			
Full text of abbreviated H statements	: Not applicable.		
Full text of classifications [CLP/GHS]	: Not applicable.		
Full text of abbreviated R phrases	: Not applicable.		
Full text of classifications [DSD/DPD]	: Not applicable.		
Date of printing	: 05/10/2017.		
Date of issue/ Date of revision	: 05/10/2017.		

Version

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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