	<b>SDS Safety Data Sheet</b>				<b>STATUS</b>	<b>Controlled</b>
	<b>SDS No</b>	SDS-68	<b>REV</b>	01	<b>ECO</b>	1329
	<b>Last Review Date</b>	09/15/15			Page 1 of 13	
	<b>Product Name</b>	Whole Blood Controls Levels 1 & 2				

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

### 1.1. Product identifier

Product form : Mixture  
Name : Whole Blood Controls Levels 1 & 2  
Product code : RQCPRT Levels 1 & 2; RQCHITT Levels 1 & 2

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

#### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : Industrial  
For professional use only

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Accriva Diagnostics Inc  
6260 Sequence Dr  
CA 92121 San Diego  
T (800)5792255 - F 1-858-314-6701  
[customerservice@accriva.com](mailto:customerservice@accriva.com) - <http://www.accriva.com/>

### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
IRELAND (REPUBLIC OF)	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964
UNITED KINGDOM	National Poisons Information Service (NHS Direct)	<a href="http://www.npis.org">http://www.npis.org</a>	111 (England & Wales only) or 112 (EU) or 08454 24 24 24 (Scotland)
US			911

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Acute Tox. 3 (Oral) H301  
Acute Tox. 1 (Dermal) H310  
Skin Corr. 1B H314  
Muta. 2 H341  
STOT RE 2 H373  
Aquatic Acute 1 H400  
Aquatic Chronic 2 H411

Full text of H-statements: see section 16


#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Muta. Cat. 3; R68  
T+; R26/27/28  
Xn; R48/20/21/22  
C; R34  
N; R50/53  
R33

Full text of R-phrases: see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

	<b>SDS Safety Data Sheet</b>				<b>STATUS</b>	<b>Controlled</b>
	<b>SDS No</b>	SDS-68	<b>REV</b>	01	<b>ECO</b>	1329
	<b>Last Review Date</b>	09/15/15			Page 2 of 13	
	<b>Product Name</b>	Whole Blood Controls Levels 1 & 2				

## 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) : Danger

Hazardous ingredients : phenol, carbolic acid, monohydroxybenzene, phenylalcohol, thiomersal

Hazard statements (CLP) :

- H301 - Toxic if swallowed
- H310 - Fatal in contact with skin
- H314 - Causes severe skin burns and eye damage
- H341 - Suspected of causing genetic defects
- H373 - May cause damage to organs through prolonged or repeated exposure
- H400 - Very toxic to aquatic life
- H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP) :

- P201 - Obtain special instructions before use
- P202 - Do not handle until all safety precautions have been read and understood
- P260 - Do not breathe fume, vapours, mist
- P264 - Wash hands and other exposed areas thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P273 - Avoid release to the environment
- P280 - Wear eye protection, protective clothing, protective gloves
- P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER
- P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

## 2.3. Other hazards

No additional information available


## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
calcium chloride	(CAS No) 10043-52-4 (EC no) 233-140-8 (EC index no) 017-013-00-2	< 30	Xi; R36
sodium chloride substance with national workplace exposure limit(s) (LT, LV)	(CAS No) 7647-14-5 (EC no) 231-598-3	< 30	Not classified
phenol, carbolic acid, monohydroxybenzene, phenylalcohol	(CAS No) 108-95-2 (EC no) 203-632-7 (EC index no) 604-001-00-2	< 30	Muta. Cat. 3; R68 T; R23/24/25 Xn; R48/20/21/22 C; R34
benzamidine, hydrochloride, hydrate	(CAS No) 206752-36-5 (EC no) 216-795-4	< 30	Xi; R36/37/38
thiomersal	(CAS No) 54-64-8 (EC no) 200-210-4 (EC index no) 080-004-00-7	< 30	T+; R26/27/28 R33 N; R50/53
Name	Product identifier	Specific concentration limits	
phenol, carbolic acid, monohydroxybenzene, phenylalcohol	(CAS No) 108-95-2 (EC no) 203-632-7 (EC index no) 604-001-00-2	(1 =< C < 3) Xi; R36/38 (C >= 3) C; R34 (3 =< C < 10) Xn; R20/21/22 (C >= 10) T; R23/24/25	
thiomersal	(CAS No) 54-64-8 (EC no) 200-210-4 (EC index no) 080-004-00-7	(0,05 =< C < 0,5) Xn; R20/21/22 (C >= 0,05) R33 (0,5 =< C < 2) T; R23/24/25 (C >= 2) T+; R26/27/28	

	<b>SDS Safety Data Sheet</b>				<b>STATUS</b>	<b>Controlled</b>
	<b>SDS No</b>	SDS-68	<b>REV</b>	01	<b>ECO</b>	1329
	<b>Last Review Date</b>	09/15/15			Page 3 of 13	
	<b>Product Name</b>	Whole Blood Controls Levels 1 & 2				

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
calcium chloride	(CAS No) 10043-52-4 (EC no) 233-140-8 (EC index no) 017-013-00-2	< 30	Eye Irrit. 2, H319
sodium chloride substance with national workplace exposure limit(s) (LT, LV)	(CAS No) 7647-14-5 (EC no) 231-598-3	< 30	Not classified
phenol, carboic acid, monohydroxybenzene, phenylalcohol	(CAS No) 108-95-2 (EC no) 203-632-7 (EC index no) 604-001-00-2	< 30	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Muta. 2, H341 STOT RE 2, H373
benzamidine, hydrochloride, hydrate	(CAS No) 206752-36-5 (EC no) 216-795-4	< 30	Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315
thiomersal	(CAS No) 54-64-8 (EC no) 200-210-4 (EC index no) 080-004-00-7	< 30	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 STOT RE 2, H373 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410

Name	Product identifier	Specific concentration limits
phenol, carboic acid, monohydroxybenzene, phenylalcohol	(CAS No) 108-95-2 (EC no) 203-632-7 (EC index no) 604-001-00-2	(1 ≤ C < 3) Eye Irrit. 2, H319 (1 ≤ C < 3) Skin Irrit. 2, H315 (C ≥ 3) Skin Corr. 1B, H314
thiomersal	(CAS No) 54-64-8 (EC no) 200-210-4 (EC index no) 080-004-00-7	(C ≥ 0,1) STOT RE 2, H373

Full text of R- and H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
- First-aid measures after skin contact : Immediately call a POISON CENTER or doctor/physician. Specific measures (see ... on this label). Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Rinse skin with water/shower.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Specific treatment (see ... on this label).

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Causes severe skin burns and eye damage. Suspected of causing genetic defects. Causes damage to organs. There are potential chronic health effects to consider.
- Symptoms/injuries after skin contact : Fatal in contact with skin.
- Symptoms/injuries after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media


- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

- Reactivity : Thermal decomposition generates : Corrosive vapours.

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

	<b>SDS Safety Data Sheet</b>				<b>STATUS</b>	<b>Controlled</b>
	<b>SDS No</b>	SDS-68	<b>REV</b>	01	<b>ECO</b>	1329
	<b>Last Review Date</b>	09/15/15			Page 4 of 13	
	<b>Product Name</b>	Whole Blood Controls Levels 1 & 2				

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if substance enters sewers or public waters. Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood. Avoid breathing fume, Vapours.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash Skin thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat and ignition sources.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.


### 7.3. Specific end use(s)

No additional information available


## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

calcium chloride (10043-52-4)		
Latvia	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (NPK-P) (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
sodium chloride (7647-14-5)		
Latvia	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Lithuania	IPRV (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
phenol, carbolic acid, monohydroxybenzene, phenylalcohol (108-95-2)		
EU	IOELV TWA (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup> (Phenol; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
EU	IOELV TWA (ppm)	2 ppm (Phenol; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
EU	IOELV STEL (mg/m <sup>3</sup> )	16 mg/m <sup>3</sup> (Phenol; EU; Short time value; Indicative occupational exposure limit value)
EU	IOELV STEL (ppm)	4 ppm (Phenol; EU; Short time value; Indicative occupational exposure limit value)
Austria	MAK (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
Austria	MAK (ppm)	2 ppm


	<b>SDS Safety Data Sheet</b>				<b>STATUS</b>	<b>Controlled</b>
	<b>SDS No</b>	SDS-68	<b>REV</b>	01	<b>ECO</b>	1329
	<b>Last Review Date</b>	09/15/15			Page 5 of 13	
	<b>Product Name</b>	Whole Blood Controls Levels 1 & 2				

phenol, carboic acid, monohydroxybenzene, phenylalcohol (108-95-2)		
Austria	MAK Short time value (mg/m <sup>3</sup> )	16 mg/m <sup>3</sup>
Austria	MAK Short time value (ppm)	4 ppm
Austria	Remark (AT)	H
Belgium	Limit value (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	2 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	16 mg/m <sup>3</sup>
Belgium	Short time value (ppm)	4 ppm
Belgium	Remark (BE)	D
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	7,8 mg/m <sup>3</sup>
France	VLE (mg/m <sup>3</sup> )	15,6 mg/m <sup>3</sup>
France	VLE (ppm)	4 ppm
France	VME (mg/m <sup>3</sup> )	7,8 mg/m <sup>3</sup>
France	VME (ppm)	2 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
Germany	TRGS 900 Occupational exposure limit value (ppm)	2 ppm
Germany	Remark (TRGS 900)	EU,H
Greece	OEL TWA (mg/m <sup>3</sup> )	19 mg/m <sup>3</sup>
Greece	OEL TWA (ppm)	5 ppm
Greece	OEL STEL (mg/m <sup>3</sup> )	38 mg/m <sup>3</sup>
Greece	OEL STEL (ppm)	10 ppm
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	5 ppm
Italy - Portugal - USA ACGIH	Remark (ACGIH)	URT irr; lung dam; CNS impair
Italy	OEL TWA (mg/m <sup>3</sup> )	7,8 mg/m <sup>3</sup>
Italy	OEL TWA (ppm)	2 ppm
Latvia	OEL TWA (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
Latvia	OEL TWA (ppm)	2 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	19 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	5 ppm
Spain	VLA-ED (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup> Vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante. Para más información véase el Apartado 5 de este documento.), VLB (Agente químico que tiene Valor Límite Biológico específico en este documento.), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su trasposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país.)


	<b>SDS Safety Data Sheet</b>				<b>STATUS</b>	<b>Controlled</b>
	<b>SDS No</b>	SDS-68	<b>REV</b>	01	<b>ECO</b>	1329
	<b>Last Review Date</b>	09/15/15			Page 6 of 13	
	<b>Product Name</b>	Whole Blood Controls Levels 1 & 2				

**phenol, carbolic acid, monohydroxybenzene, phenylalcohol (108-95-2)**

Spain	VLA-ED (ppm)	2 ppm Vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante. Para más información véase el Apartado 5 de este documento.), VLB (Agente químico que tiene Valor Límite Biológico específico en este documento.) , VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su trasposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país.)
Spain	VLA-EC (mg/m <sup>3</sup> )	16 mg/m <sup>3</sup> Vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante. Para más información véase el Apartado 5 de este documento.), VLB (Agente químico que tiene Valor Límite Biológico específico en este documento.) , VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su trasposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país.)
Spain	VLA-EC (ppm)	4 ppm Vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante. Para más información véase el Apartado 5 de este documento.), VLB (Agente químico que tiene Valor Límite Biológico específico en este documento.) , VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su trasposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país.)
Switzerland	VLE (mg/m <sup>3</sup> )	19 mg/m <sup>3</sup>
Switzerland	VLE (ppm)	5 ppm
Switzerland	VME (mg/m <sup>3</sup> )	19 mg/m <sup>3</sup>
Switzerland	VME (ppm)	5 ppm
Switzerland	Remark (CH)	15 min
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 8H (ppm)	2 ppm (Fenol; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
Netherlands	Remark (MAC)	H
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	7,8 mg/m <sup>3</sup>

	<b>SDS Safety Data Sheet</b>				<b>STATUS</b>	<b>Controlled</b>
	<b>SDS No</b>	SDS-68	<b>REV</b>	01	<b>ECO</b>	1329
	<b>Last Review Date</b>	09/15/15			Page 7 of 13	
	<b>Product Name</b>	Whole Blood Controls Levels 1 & 2				

phenol, carboic acid, monohydroxybenzene, phenylalcohol (108-95-2)		
United Kingdom	WEL TWA (ppm)	2 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	16 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	4 ppm
United Kingdom	Remark (WEL)	Sk
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	7,5 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (PEL) (ppm)	2 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (NPK-P) (ppm)	4 ppm
Czech Republic	Remark (CZ)	D
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (ppm)	1 ppm
Denmark	Anmærkninger (DK)	EH
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	2 ppm
Finland	HTP-arvo (15 min)	16 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min) (ppm)	4 ppm
Hungary	AK-érték	8 mg/m <sup>3</sup>
Hungary	CK-érték	16 mg/m <sup>3</sup>
Hungary	Megjegyzések (HU)	b, m; l.
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	2 ppm
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	16 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (ppm)	4 ppm
Ireland	Notes (IE)	Sk, IOELV
Lithuania	IPRV (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	2 ppm
Lithuania	TPRV (mg/m <sup>3</sup> )	16 mg/m <sup>3</sup>
Lithuania	TPRV (ppm)	4 ppm
Lithuania	Remark (LT)	O
Malta	OEL TWA (mg/m <sup>3</sup> )	7,8 mg/m <sup>3</sup>
Malta	OEL TWA (ppm)	2 ppm
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Norway	Grenseverdier (AN) (ppm)	1 ppm
Norway	Merknader (NO)	H
Poland	NDS (mg/m <sup>3</sup> )	7,8 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	16 mg/m <sup>3</sup>
Romania	OEL TWA (mg/m <sup>3</sup> )	7,8 mg/m <sup>3</sup>
Romania	OEL TWA (ppm)	2 ppm
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	1 ppm
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (ppm)	2 ppm
Australia	TWA (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Australia	TWA (ppm)	1 ppm
Portugal	OEL TWA (ppm)	5 ppm

	<b>SDS Safety Data Sheet</b>				<b>STATUS</b>	<b>Controlled</b>
	<b>SDS No</b>	SDS-68	<b>REV</b>	01	<b>ECO</b>	1329
	<b>Last Review Date</b>	09/15/15			Page 8 of 13	
	<b>Product Name</b>	Whole Blood Controls Levels 1 & 2				

thiomersal (54-64-8)		
Belgium	Limit value (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (Mercure (composés arylés) (en Hg); Belgium; Time-weighted average exposure limit 8 h)
France	VME (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (Mercure (composés arylés et inorganiques), en Hg; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (Mercury, Aryl compounds, as Hg; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)

## 8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation.  
 Personal protective equipment : Protective clothing. Protective goggles. Gloves.



Hand protection : Wear protective gloves.  
 Eye protection : Chemical goggles or face shield.  
 Skin and body protection : Wear suitable protective clothing.  
 Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.  
 Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties


### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
 Appearance : Solid.  
 Colour : Colourless.  
 Odour : odourless.  
 Odour threshold : No data available  
 pH : No data available  
 Relative evaporation rate (butylacetate=1) : No data available  
 Melting point : No data available  
 Freezing point : No data available  
 Boiling point : No data available  
 Flash point : No data available  
 Auto-ignition temperature : No data available  
 Decomposition temperature : No data available  
 Flammability (solid, gas) : Non flammable  
 Vapour pressure : No data available  
 Relative vapour density at 20 °C : No data available  
 Relative density : No data available  
 Solubility : Soluble in water.  
 Log Pow : No data available  
 Log Kow : No data available  
 Viscosity, kinematic : No data available  
 Viscosity, dynamic : No data available  
 Explosive properties : No data available  
 Oxidising properties : No data available  
 Explosive limits : No data available

### 9.2. Other information

No additional information available



	<b>SDS Safety Data Sheet</b>				<b>STATUS</b>	<b>Controlled</b>
	<b>SDS No</b>	SDS-68	<b>REV</b>	01	<b>ECO</b>	1329
	<b>Last Review Date</b>	09/15/15			Page 9 of 13	
	<b>Product Name</b>	Whole Blood Controls Levels 1 & 2				

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Thermal decomposition generates : Corrosive vapours.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Fatal in contact with skin.

Whole Blood Controls Levels 1 & 2	
ATE CLP (oral)	258,176 mg/kg bodyweight
ATE CLP (dermal)	29,894 mg/kg bodyweight
calcium chloride (10043-52-4)	
LD50 oral rat	2301 mg/kg bodyweight (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Rabbit; Experimental value; Other)
ATE CLP (oral)	2301,000 mg/kg bodyweight
sodium chloride (7647-14-5)	
LD50 oral rat	3000 mg/kg (Rat; Experimental value; 3550 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit; Experimental value)
ATE CLP (oral)	3000,000 mg/kg bodyweight
phenol, carboic acid, monohydroxybenzene, phenylalcohol (108-95-2)	
LD50 oral rat	650 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rat	660 mg/kg (Rat; Experimental value; Equivalent or similar to OECD 402)
LD50 dermal rabbit	850 - 1400 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	0,32 mg/l/4h (Rat; Literature study)
ATE CLP (oral)	100,000 mg/kg bodyweight
ATE CLP (dermal)	660,000 mg/kg bodyweight
ATE CLP (gases)	700,000 ppmv/4h
ATE CLP (vapours)	0,320 mg/l/4h
ATE CLP (dust,mist)	0,320 mg/l/4h
thiomersal (54-64-8)	
LD50 oral rat	75 mg/kg (Rat)
ATE CLP (oral)	75,000 mg/kg bodyweight
ATE CLP (dermal)	5,000 mg/kg bodyweight

Skin corrosion/irritation : Causes severe skin burns and eye damage.

Serious eye damage/irritation : Serious eye damage, category 1, implicit

Respiratory or skin sensitisation : Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity : Suspected of causing genetic defects.

Carcinogenicity : Not classified


Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified

Based on available data, the classification criteria are not met

	<b>SDS Safety Data Sheet</b>				<b>STATUS</b>	<b>Controlled</b>
	<b>SDS No</b>	SDS-68	<b>REV</b>	01	<b>ECO</b>	1329
	<b>Last Review Date</b>	09/15/15			Page 10 of 13	
	<b>Product Name</b>	Whole Blood Controls Levels 1 & 2				

Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure. There are potential chronic health effects to consider

Aspiration hazard : Not classified  
Based on available data, the classification criteria are not met

Potential adverse human health effects and symptoms : Toxic if swallowed. Fatal in contact with skin.

## SECTION 12: Ecological information


### 12.1. Toxicity

Ecology - water : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

calcium chloride (10043-52-4)	
Threshold limit algae 2	27000 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)
sodium chloride (7647-14-5)	
LC50 fish 2	5840 mg/l (LC50; ASTM; 96 h; Lepomis macrochirus; Flow-through system; Fresh water; Experimental value)
Threshold limit algae 2	2430 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 120 h; Algae; Static system; Fresh water; Experimental value)
phenol, carboic acid, monohydroxybenzene, phenylalcohol (108-95-2)	
LC50 other aquatic organisms 1	0,04 mg/l (4 days; Rana sp.; LC50)
EC50 Daphnia 2	6,6 mg/l (EC50; 48 h; Daphnia magna; Static system)
thiomersal (54-64-8)	
LC50 fish 1	0,033 ppm (LC50; 96 h)
EC50 Daphnia 1	0,0052 mg/l (EC50; 48 h)
Threshold limit algae 1	0,4 ppm (EC50)

### 12.2. Persistence and degradability

Whole Blood Controls Levels 1 & 2	
Persistence and degradability	May cause long-term adverse effects in the environment.
calcium chloride (10043-52-4)	
Persistence and degradability	Biodegradability: Not applicable. No (test)data available on mobility of the substance.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
sodium chloride (7647-14-5)	
Persistence and degradability	Biodegradability: Not applicable. No (test)data available on mobility of the substance.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
phenol, carboic acid, monohydroxybenzene, phenylalcohol (108-95-2)	
Persistence and degradability	Readily biodegradable in water. Photolysis in water. Readily biodegradable in soil. Inhibition of biodegradation process in soil. Low potential for adsorption in soil. Photooxidation in the air.
Biochemical oxygen demand (BOD)	1,68 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2,28 g O <sub>2</sub> /g substance
ThOD	2,38 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0,71
benzamidine, hydrochloride, hydrate (206752-36-5)	
Persistence and degradability	Biodegradability in water: no data available.
thiomersal (54-64-8)	
Persistence and degradability	Adsorbs into the soil.
12.3. Bioaccumulative potential	
Whole Blood Controls Levels 1 & 2	
Bioaccumulative potential	Not established.

	<b>SDS Safety Data Sheet</b>				<b>STATUS</b>	<b>Controlled</b>
	<b>SDS No</b>	SDS-68	<b>REV</b>	01	<b>ECO</b>	1329
	<b>Last Review Date</b>	09/15/15			Page 11 of 13	
	<b>Product Name</b>	Whole Blood Controls Levels 1 & 2				

<b>calcium chloride (10043-52-4)</b>	
Bioaccumulative potential	Bioaccumulation: Not applicable.
<b>sodium chloride (7647-14-5)</b>	
Log Pow	-3,0 (Calculated)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).
<b>phenol, carbolic acid, monohydroxybenzene, phenylalcohol (108-95-2)</b>	
Log Pow	1,47 (Experimental value; Equivalent or similar to OECD 117; 30 °C)
Bioaccumulative potential	Low bioaccumulation potential (BCF < 500).
<b>benzamidine, hydrochloride, hydrate (206752-36-5)</b>	
Bioaccumulative potential	Bioaccumulation: No data available.
<b>thiomersal (54-64-8)</b>	
Log Pow	-1,88

#### 12.4. Mobility in soil

<b>phenol, carbolic acid, monohydroxybenzene, phenylalcohol (108-95-2)</b>	
Surface tension	0,0713 N/m (20 °C)

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a licensed waste centre in accordance with local/regional/national/international regulations.

Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

European List of Waste (LoW) code : 16 05 06\* - laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

Not dangerous goods in terms of transport regulations

#### 14.2. UN proper shipping name

Not applicable

#### 14.3. Transport hazard class(es)

Not applicable

#### 14.4. Packing group

Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.

#### 14.6. Special precautions for user

##### 14.6.1. Overland transport


No additional information available

##### 14.6.2. Transport by sea

No additional information available

##### 14.6.3. Air transport

No additional information available

	<b>SDS Safety Data Sheet</b>				<b>STATUS</b>	<b>Controlled</b>
	<b>SDS No</b>	SDS-68	<b>REV</b>	01	<b>ECO</b>	1329
	<b>Last Review Date</b>	09/15/15			Page 12 of 13	
	<b>Product Name</b>	Whole Blood Controls Levels 1 & 2				

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Whole Blood Controls Levels 1 & 2
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Whole Blood Controls Levels 1 & 2 - calcium chloride - phenol, carboic acid, monohydroxybenzene, phenylalcohol - benzamidine, hydrochloride, hydrate - thiomersal
3.c. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Whole Blood Controls Levels 1 & 2 - thiomersal

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

##### 15.1.2. National regulations

Water hazard class (WGK)

: 3 - severe hazard to waters

WGK remark

: Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out


### SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-statements:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal), Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H335	May cause respiratory irritation
H341	Suspected of causing genetic defects
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

	<b>SDS Safety Data Sheet</b>				<b>STATUS</b>	<b>Controlled</b>
	<b>SDS No</b>	SDS-68	<b>REV</b>	01	<b>ECO</b>	1329
	<b>Last Review Date</b>	09/15/15			Page 13 of 13	
	<b>Product Name</b>	Whole Blood Controls Levels 1 & 2				

H411	Toxic to aquatic life with long lasting effects
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R26/27/28	Very toxic by inhalation, in contact with skin and if swallowed
R33	Danger of cumulative effects
R34	Causes burns
R36	Irritating to eyes
R36/37/38	Irritating to eyes, respiratory system and skin
R48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R68	Possible risk of irreversible effects
C	Corrosive
N	Dangerous for the environment
T	Toxic
T+	Very toxic
Xi	Irritant
Xn	Harmful

SDS EU\_NSC

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*