

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/5

System Wash Reagent

Revision 5
Revision date 2015-05-14

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

1.1. Product identifier

Product name	System Wash Reagent
Product code	01-03-0035

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

Description	For use with Trinity Biotech Ultra2 hemoglobin assay systems. Follow instructions for use as provided in the system operator manual. No substitutions or other uses are permitted. For in Vitro Diagnostic Use only.
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1.3. Details of the supplier of the safety data sheet

Company	Trinity Biotech
Address	IDA Business Park Bray Co. Wicklow Ireland
Web	www.trinitybiotech.com
Telephone	+353 1 276 9800
Fax	+353 1 276 9883
Email	info@trinitybiotech.com

Local Supplier

Company	Trinity Biotech USA
Address	2823 Girts Rd Jamestown NY 14701 USA
Telephone	+1 800-325-3424
Fax	+1 716-487-1419

1.4. Emergency telephone number

	Contact your local Emergency Health Provider. Ireland-Technical Support Group 00353 -1- 276- 9800 USA-Technical Support Group 1-800-325-3424
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards	No Significant Hazard
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2.2. Label elements

Risk phrases	No Significant Hazard
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

System Wash Reagent

Revision 5
Revision date 2015-05-14

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Water		7732-18-5			90 - 100%		
Ethanol	603-002-00-5	64-17-5	200-578-6		1 - 10% F; R11		
Methanol	603-001-00-X	67-56-1	200-659-6		0 - 0.5% F; R11 T; R23/24/25-39/23/24/25		
Sodium azide (Sodium azide (as NaN ₃))	011-004-00-7	26628-22-8	247-852-1		0 - 0.5% T+; R28 R32 N; R50/53		

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Water		7732-18-5			90 - 100%		
Ethanol	603-002-00-5	64-17-5	200-578-6		1 - 10% Flam. Liq. 2: H225;		
Methanol	603-001-00-X	67-56-1	200-659-6		0 - 0.5% Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H301; H311; Acute Tox. 3: H301; STOT SE 1: H370;		
Sodium azide (Sodium azide (as NaN ₃))	011-004-00-7	26628-22-8	247-852-1		0 - 0.5% Acute Tox. 2: H300; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;		

SECTION 4: First aid measures

4.1. Description of first aid measures

Eye contact	Bathe the eye with running water for 15 minutes. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	If ingested, induce vomiting, but only under medical supervision. Seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	No Significant Hazard.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective clothing, gloves and eye/face protection.
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6.3. Methods and material for containment and cleaning up

	Wash with soap and water.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Do NOT allow to freeze. Keep containers tightly closed.
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7.2. Conditions for safe storage, including any incompatibilities

	Store in original container. Store at temperatures between 2 °C and 28 °C. Do NOT allow to freeze.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

System Wash Reagent

Revision 5
Revision date 2015-05-14

8.1.1. Exposure Limit Values

Ethanol	WEL 8-hr limit ppm: 1000 WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable dust: - WEL 8-hr limit mg/m3 total respirable dust: -	WEL 8-hr limit mg/m3: 1920 WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -
Methanol	WEL 8-hr limit ppm: 200 WEL 15 min limit ppm: 250 WEL 8-hr limit mg/m3 total inhalable dust: - WEL 8-hr limit mg/m3 total respirable dust: -	WEL 8-hr limit mg/m3: 266 WEL 15 min limit mg/m3: 333 WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -
Sodium azide (Sodium azide (as NaN ₃))	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable dust: - WEL 8-hr limit mg/m3 total respirable dust: -	WEL 8-hr limit mg/m3: 0.1 WEL 15 min limit mg/m3: 0.3 WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -

8.2. Exposure controls

Eye / face protection	Avoid contact with eyes. Wear eye/face protection.
Skin protection - Handprotection	Wash with soap and water. Wear suitable protective clothing and gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Freezing Point	-4 °C
Initial boiling point	100 °C
Vapour pressure	5333 Pa
Vapour density	1.6
Solubility	Soluble in water

9.2. Other information

Specific gravity	0.99
VOC (Volatile organic compounds)	10 g/l

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

	None.
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10.5. Incompatible materials

	None.
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10.6. Hazardous decomposition products

	None.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Toxic in contact with skin and if swallowed. May cause damage to liver and kidneys. May cause damage to organs eye heart.
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System Wash Reagent

Revision 5
Revision date 2015-05-14

11.1. Information on toxicological effects

Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure. Harmful if swallowed, in contact with skin or if inhaled. Very toxic if swallowed.

11.1.4. Toxicological Information

Methanol	Inhalation Rat LC50/4 h: 128.2 Dermal Rabbit LD50: 17100	Oral Rat LD50: 1187-2769
Sodium azide	Oral Rat LD50: 27mg/kg	Dermal Rabbit LD50: 20mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Sodium azide	Daphnia EC50/48h: 4.2 mg/l	Lepomis_Macrochirus LC50/96h: 0.68mg/l
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12.2. Persistence and degradability

	This product is not known to present any environmental hazards related to persistence in the environment, resistance to biodegradability, or hazardous degradation intermediates. The plastic container consists of polypropylene and may be recycled.
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12.3. Bioaccumulative potential

	Does not bioaccumulate. If released into the soil, this material is expected to evaporate and degrade. If released into the water, this material is expected to have a half-life of less than 5 days.
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12.6. Other adverse effects

	This material is expected to be slightly toxic to aquatic life.
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Further information

	This product does not present an environmental hazard in the terrestrial, atmospheric, or food-chain via accumulation.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Disposal should be made in accordance with local and national regulations. Trinity Biotech analyzer systems discharge no more than 2 mL per minute. Consult local wastewater discharge requirements. Discharge only to public waste water treatment (POTW) systems. The preservative used is toxic to fish and wildlife. Do not discharge to lakes, streams, ponds, or surface watershed. The reagent is biodegradable. Once used with patient blood samples, handle under universal precautions as potentially infectious waste.
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SECTION 14: Transport information

14.6. Special precautions for user

	Transportation of this product is not regulated. Fragile containers, handle with care. Protect from freezing. Protect from extended storage at elevated temperatures.
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SECTION 15: Regulatory information

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

	For in Vitro Diagnostic Use only.
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SECTION 16: Other information

Other information

Revision	Do not use after expiry date printed on label. The information contained in this MSDS does not purport to be all-inclusive and is provided for general guidance only. The manufacturer is not liable for any damage resulting from mishandling or unprotected contact with the above product.
	This document differs from the previous version in the following areas: 12 - 12.1. Toxicity.

System Wash Reagent

Revision 5
Revision date 2015-05-14

Other information	
	13 - 13.1. Waste treatment methods.
Text of risk phrases in Section 3	<p>R11 - Highly flammable. R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed. R28 - Very toxic if swallowed. R32 - Contact with acids liberates very toxic gas. R39/23/24/25 - Toxic: danger of very serious irreversible effects 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.</p>
Text of Hazard Statements in Section 3	<p>Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Acute Tox. 3: H301 - Toxic if swallowed. Acute Tox. 3: H311 - Toxic in contact with skin. Acute Tox. 3: H331 - Toxic if inhaled. STOT SE 1: H370 - Causes damage to organs . EUH032 - Contact with acids liberates very toxic gas. Acute Tox. 2: H300 - Fatal if swallowed. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p>
Maximum content of VOC	10 g/l.