1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1 Identification of the product

Product Name: **HEMOSIL® DIMERTEST®**

Product Number: **49738960**

1.2 Use of the product: Kit for in vitro diagnostic use.

1.3 Company identification:

MANUFACTURER:
Instrumentation Laboratory Co.
180 Hartwell Road,
Bedford, MA 01730-2443 (USA)
Tel. +1 800 678 0710
Fax +1 781 863 9928

DISTRIBUTOR EU:
Via Roma, 103
20040 Cavenago Brianza (Italy)

DISTRIBUTOR US/CANADA:
Beckman Coulter Inc.
250 S. Kraemer Blvd.
Brea, CA 92821, U.S.A

E-mail address of the competent person: infosds@mail.ilww.it

1.4 Emergency phone: +44 (0)3700 492 795
+1 215 207 0061 (USA and Canada)

2. COMPOSITION / INFORMATION ON PRODUCT

P/N	Mixture name	Mixture classification According to 67/548/EEC and 1999/45/EEC Directives	Mixture classification According to 1272/2008/EC Regulation	Kit configuration
NOT APPLICABLE	Latex Reagent	Xn, R22	Acute Tox. 4, H302	1 x 2 mL
NOT APPLICABLE	Positive Control	Xn, R22	Acute Tox. 4, H302	1 x 0.6 mL
NOT APPLICABLE	Negative Control	Xn, R22	Acute Tox. 4, H302	1 x 0.6 mL
NOT APPLICABLE	Buffer	Xn, R22	Acute Tox. 4, H302	1 x 20 mL

Disclaimer

This document is intended only as a guide to appropriate precautionary handling of this product by a trained person, or supervised by a person trained in chemical handling. The product shall not be used for purposes different from those indicated in section 1, unless having received suitable written instructions on how to handle the material. Use the product in accordance with the Good Laboratory Practice. This document cannot describe all potential dangers of use or interaction with other chemicals or materials. It is the user's responsibility for the product's safe use, the product's suitability for the intended use and the product's safe disposal. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers. The contained information in this MSDS are in accordance with Annex II of Regulation no.1907/2006 (REACH) and in accordance with ANSI "Standard for Hazardous Industrial Chemicals - Material Safety Data Sheets – Preparation" (ANSI Z400.1-2004) as recommended by US OSHA.

Prepared by: Chemsafe Srl

1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Identification of the mixture

Product Name: **LATEX REAGENT**

Product Number: **NOT APPLICABLE**

1.2 Use of the mixture: For in vitro diagnostic use.

1.3 Company identification:

MANUFACTURER:
Instrumentation Laboratory Co.
180 Hartwell Road,
Bedford, MA 01730-2443 (USA)
Tel. +1 800 678 0710
Fax +1 781 863 9928

DISTRIBUTOR EU:
Via Roma, 103
20040 Cavenago Brianza (Italy)

DISTRIBUTOR US/CANADA:
Beckman Coulter Inc.
250 S. Kraemer Blvd.
Brea, CA 92821, U.S.A

E-mail address of the competent person: infosds@mail.ilww.it

1.4 Emergency phone: +44 (0)3700 492 795
+1 215 207 0061 (USA and Canada)

2. HAZARDS IDENTIFICATION

2.1 Mixture classification ***(see also ch. 15)***

Classified: **Xn, R22** according to 67/548/EEC and 1999/45/EEC Directives

Classified: **Acute Tox. 4, H302** according to 1272/2008/EC Regulation

2.2 Potential health and environmental effects

Ingestion:	Harmful if swallowed.
Inhalation exposure:	May cause irritation.
Contact with skin:	May cause irritation.
Contact with eyes:	May cause irritation.
Sensitization:	Might cause sensitization by inhalation or skin contact.
Environmental exposure:	Might cause adverse effects for the environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition: suspension containing organic, inorganic compounds and murine material.

3.1 Hazardous components:

Name	EINECS / ELINCS n°	CAS n°	Conc. % w/w	Classification 67/548/EEC	Classification 1272/2008/EC
Sodium Azide (*)	247-852-1	26628-22-8	< 0.2	T^+, R28 R32 N, R50-53	Acute Tox. 2, H300 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
For exposure limits see ch. 8, for phrases R and hazard statements text see ch. 16					

4. FIRST AID MEASURES

Ingestion:	If swallowed rinse mouth with plenty of water provided person is conscious. Get medical advice if adverse symptoms appear.
Inhalation exposure:	If inhaled, move person to fresh air. Get medical advice if adverse symptoms appear.
Contact with skin:	Remove contaminated clothes and shoes. Wash affected area with soap or mild detergent and plenty of water. Get medical advice if adverse symptoms appear.
Contact with eyes:	Wash immediately with plenty of water or normal saline. Keep eyelid open with the finger. Get medical advice if adverse symptoms appear.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing means:	Water spray or regular foam, CO_2, dry powder.
Mean of extinguishing NOT to be used:	Not known.
Known hazards caused by combustion:	Thermal decomposition or combustion may generate toxic and hazardous fumes (CO_x, NO_x, Na_2O).
Equipment for self-protection: (fire fighters):	Self-contained breathing apparatus, flame and chemical resistant clothing, boots and gloves.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Suitable protective clothing, rubber or polythene gloves, rubber shoes, safety glasses.
Environmental precautions:	Do not let the product enter drainage system, surface and ground-water or soil. Contact local authorities in case of environmental release. Do not empty into drains.
Cleaning procedure to recover spilled material:	Soak up with inert absorbent material, and clean with plenty of water. Send to the storage waiting for disposal procedures.

7. HANDLING AND STORAGE

7.1 Handling

Handling procedures:	Wear suitable protective clothing, gloves, eye protection. When use do not eat, drink or smoke. Provide sufficient ventilation in all work areas.
Work/Hygienic practices:	Wash hands with soap and water after use.

7.2 Storage

Room ventilation:	Well ventilated workplace.
Special precautions: (see also Section 8)	Avoid environmental release.
Recommended temperature:	Store at 2 – 8°C.
Humidity, light and other environmental factors:	Avoid light exposure and keep away from heat sources and non compatible materials.
Containers:	Keep containers tightly closed and labelled with the name of the product.
Other storage precautions:	Keep away from food and drinks. Keep away from contamination with heavy metals. Sodium azide has been reported to form lead or copper azide in laboratory plumbing which may explode on percussion.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

TLV/TWA: 0.1 mg/m^3 for Sodium azide [(1)]

EU OEL: 0.1 mg/m^3 as TWA, 0.3 mg/m^3 as STEL (skin) for Sodium azide [(1)]

TLV /STEL: 0.3 mg/m^3 for Sodium azide [(1)]

US OSHA PEL FINAL-CL: 0.3 mg/m^3 (as NaN_3) (skin) for Sodium azide

TLV -CEILING: 0.29 mg/m^3 for Sodium azide (ACGIH) [(1)]

MAK: 0.2 mg/m^3, inhalable fraction for Sodium azide [(5)]

8.2 Exposure Controls

Respiratory protection:	Respiratory protection is not required. Where risk assessment shows air-purifying respirators are appropriate, use masks with approved filter.
Skin protection:	Protective clothing, rubber or polythene gloves.
Eye protection:	Safety glasses.
Hand protection:	Rubber or polythene gloves.
Other protective systems:	Personal protective equipment (PPE) useful for reducing individual exposure.
Environmental protection:	Avoid any release into the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance:	Suspension
Odor:	Odourless
Color:	Clear

9.2 Important health, safety and environmental information

	Value	Related to
pH:	not available	
Flammability:	not available	
Explosive properties:	not available	
Oxidizing properties:	not available	
Density:	not available	
Solubility:	not available	
Water Solubility:	soluble	Mixture

9.3 Other information

Melting point/range:	not available

10. STABILITY AND REACTIVITY

Stability: The product is stable until the expiration date shown on the box and on the labels when stored at 2 - 8°C.

10.1	Conditions to avoid:	Keep away from heat, water, humidity and light.
10.2	Materials to avoid:	Strong oxidising agents, acids, alkalis, heavy metals and their salts. Sodium azide has been reported to form lead or copper azide in laboratory plumbing which may explode on percussions. Sodium azide reacts vigorously with heated water.
10.3	Hazardous decomposition products:	Thermal decomposition or combustion may include toxic and hazardous fumes of CO_x, NO_x, Na_2O.

11. TOXICOLOGICAL INFORMATION

11.1 Toxicokinetic effects (ADME)

Absorption:	Sodium azide is rapidly absorbed from the gastrointestinal tract and from injection sites. [2]
Distribution:	not available
Metabolism:	not available
Excretion:	not available

11.2 Acute toxicity	Value	m.u.	Effects		Related to
Oral:	LD50 (rat) = 27	mg/Kg		[3]	Sodium azide
Dermal:	LD50 (rat) = 50	mg/Kg		[3]	Sodium azide
Inhalation:	LC50 (rat) = 37	mg/m^3	Structural or functional change in trachea or bronchi, effects on eye, convulsions or effect on seizure threshold.	[3]	Sodium azide
Other data:	not available				

11.3 Irritation

Skin:	not available
Eye:	not available
Inhalation:	not available

11.4 Sensitization:

Skin sensitization:	not available
Sensitization by inhalation:	not available

11.5	**Prolonged exposure toxicity:**	not available

11.6 CMR effects

				Related to
Mutagenicity:	Ames test:	Sodium azide was mutagenic in *Salmonella typhimurium* strains TA100 and TA1535 with or without exogenous metabolic activation (S9); it was not mutagenic in strain TA1537 or TA98.	(4)	Sodium azide
	Mouse lymphoma:	not available		
	Chromosomal aberration:	Negative	(4)	Sodium azide
	Micronucleus test:	not available		

Teratogenesis: In a teratogenic study employng albino rats treated orally with technical Sodium azide at dose levels of 0.5, 1.5, or 5.0 mg/kg daily during gestation days 6 through 15, no teratogenic effects dur to Sodium azide were found. Sterility has been produced in male mice given sodium azide. (2)

Carcinogenesis: Carcinogenicity studies were conducted by administering Sodium azide (greater than 99% pure) in distilled water by gavage to groups of male and female rats once daily, 5 days per week for 14 days, 13 weeks, or 2 years. Under the conditions of these 2-year gavage studies, there was no evidence of carcinogenic activity of sodium azide in male or female rats administered 5 or 10 mg/kg. Sodium azide induced necrosis in the cerebrum and the thalamus of the brain in both male and female rats. (4)

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicology

	Value	m.u.		Related to
Acute toxicity with fish:	LC50 bluegill fish = 0.7	mg/l/96 hours	(2)	Sodium azide
Acute toxicity with Daphnia Magna:	EC50 daphnia pulex = 4.2	mg/l/96 hours	(2)	Sodium azide
Acute toxicity with algae:	ErC50 = not available	mg/l/72 hours		

12.2 Mobility: The dissipation of azides in soil is not by microbial action but is strictly a chemical process accelerated by increasing acidity and elevated temperatures. (2)

12.3 Persistency and degradability: not available

12.4 Bioaccumulation potential: not available

12.5 Evaluation PBT result: not available

12.6 Other toxic effects: not available

13. DISPOSAL CONSIDERATION

National laws on disposal must be considered, local and UE requirements for wastes recycling must be respected.
Used waste product, surplus product or spillage products shall be disposed of in accordance with national, state and local laws.

14. TRANSPORT INFORMATION

Not classified for transport in accordance with ADR/RID, IMDG, IATA and DOT regulations.

15. REGULATORY INFORMATION

Regulatory information on labeling according to 67/548/EEC, to 1999/45/EEC Directive and to 1272/2008 Regulation (EC)(European reinforcement of GHS), and according to their following amendments/atp.

	According to 67/548/EEC and 1999/45/EEC Directives	**According to 1272/2008/EC Regulation**
Classification:	**Xn, R22**	**Acute Tox. 4, H302**
Labeling symbols: (signal word)	 **Xn - Harmful**	 **Warning**
Labeling risk phrases: (hazard statements)	**R22:** Harmful if swallowed.	**H302**: Harmful if swallowed.
Labeling safety phrases: (precautionary statements)	**S46:** If swallowed, seek medical advice immediately and show this container or label. **S24/S25:** Avoid contact with skin and eyes.	**P270:** Do no eat, drink or smoke when using this product. **P301+312:** IF SWALLOWED : Call a poison center or doctor/physician if you feel unwell. **P330:** Rinse mouth.

Other labeling details: The mixture contains at least 0.83% of components of unknown toxicity for health and aquatic environment.

Contains: Sodium azide.

Safety precautions: Wear suitable protective clothing, gloves and eye/face protection.

Authorization: no

Restriction: no

16. OTHER INFORMATION

Phrases R:
R28: Very toxic if swallowed.
R32: Contact with acids liberates very toxic gas.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R22: Harmful if swallowed.

Hazard Statements:
H300: Fatal if swallowed.
H302: Harmful if swallowed.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

The contained information in this MSDS are in accordance with Annex II of Regulation no.1907/2006 (REACH) and in accordance with ANSI "Standard for Hazardous Industrial Chemicals - Material Safety Data Sheets – Preparation" (ANSI Z400.1-2004) as recommended by US OSHA.

Bibliographic references:

(1) International Chemical Safety Cards, Sodium azide
(2) HSDB Hazardous Substances Databank, Sodium azide
(3) ChemIDplus Lite, Sodium azide, full record
(4) National Toxicology Program database Search Application, Toxicology and Carcinogenesis Studies of Sodium azide (CAS: 26628-22-8) in F344 Rats (Gavage Studies)
(5) Haz-Map Occupational exposure to hazardous Agents, Sodium azide
(*) Classification in Annex I of Dir 67/548/EEC and in Annex VI of the 1272/2008/EC Regulation

1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Identification of the mixture

Product Name: **POSITIVE CONTROL**

Product Number: **NOT APPLICABLE**

1.2 Use of the mixture: For in vitro diagnostic use.

1.3 Company identification:

MANUFACTURER:
Instrumentation Laboratory Co.
180 Hartwell Road,
Bedford, MA 01730-2443 (USA)
Tel. +1 800 678 0710
Fax +1 781 863 9928

DISTRIBUTOR EU:
Via Roma, 103
20040 Cavenago Brianza (Italy)

DISTRIBUTOR US/CANADA:
Beckman Coulter Inc.
250 S. Kraemer Blvd.
Brea, CA 92821, U.S.A

E-mail address of the competent person: infosds@mail.ilww.it

1.4 Emergency phone: +44 (0)3700 492 795
+1 215 207 0061 (USA and Canada)

2. HAZARDS IDENTIFICATION

2.1 Mixture classification ***(see also ch. 15)***

Classified: **Xn, R22** according to 67/548/EEC and 1999/45/EEC Directives

Classified: **Acute Tox. 4, H302** according to 1272/2008/EC Regulation

2.2 Potential health and environmental effects

Ingestion: Harmful if swallowed.

Inhalation exposure: May cause irritation.

Contact with skin: May cause irritation.

Contact with eyes: May cause irritation.

Sensitization: Might cause sensitization by inhalation or skin contact.

Environmental exposure: Might cause adverse effects for the environment.

Warning: This product contains human source material that tested non-reactive for HIV antibody, Hepatitis B Surface Antigen and Anti-HCV at the donor stage. This product, as with all human based specimens, should be handled with proper laboratory safety procedures to minimize the risk of transmission of infectious disease.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition: solution containing organic, inorganic compounds and human material.

3.1 Hazardous components:

Name	EINECS/ ELINCS n°	CAS n°	Conc. % w/w	Classification 67/548/EEC	Classification 1272/2008/EC
Sodium Azide (*)	247-852-1	26628-22-8	< 0.2	T^+, R28 R32 N, R50-53	Acute Tox. 2, H300 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
For exposure limits see ch. 8, for phrases R and hazard statements text see ch. 16					

4. FIRST AID MEASURES

Ingestion: If swallowed rinse mouth with plenty of water provided person is conscious. Get medical advice if adverse symptoms appear.

Inhalation exposure: If inhaled, move person to fresh air. Get medical advice if adverse symptoms appear.

Contact with skin: Remove contaminated clothes and shoes. Wash affected area with soap or mild detergent and plenty of water. Get medical advice if adverse symptoms appear.

Contact with eyes: Wash immediately with plenty of water or normal saline. Keep eyelid open with the finger. Get medical advice if adverse symptoms appear.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing means:	Water spray or regular foam, CO_2, dry powder.
Mean of extinguishing NOT to be used:	Not known.
Known hazards caused by combustion:	Thermal decomposition or combustion may generate toxic and hazardous fumes (CO_x, NO_x, Na_2O).
Equipment for self-protection: (fire fighters):	Self-contained breathing apparatus, flame and chemical resistant clothing, boots and gloves.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Suitable protective clothing, rubber or polythene gloves, rubber shoes, safety glasses.
Environmental precautions:	Do not let the product enter drainage system, surface and ground-water or soil. Contact local authorities in case of environmental release. Do not empty into drains.
Cleaning procedure to recover spilled material:	Soak up with inert absorbent material, and clean with plenty of water. Send to the storage waiting for disposal procedures.

7. HANDLING AND STORAGE

7.1 Handling

Handling procedures:	Wear suitable protective clothing, gloves, eye protection. When use do not eat, drink or smoke. Provide sufficient ventilation in all work areas.
Work/Hygienic practices:	Wash hands with soap and water after use.

7.2 Storage

Room ventilation:	Well ventilated workplace.
Special precautions: (see also Section 8)	Avoid environmental release.
Recommended temperature:	Store at 2 – 8°C.
Humidity, light and other environmental factors:	Avoid light exposure and keep away from heat sources and non compatible materials.
Containers:	Keep containers tightly closed and labelled with the name of the product.
Other storage precautions:	Keep away from food and drinks. Keep away from contamination with heavy metals. Sodium azide has been reported to form lead or copper azide in laboratory plumbing which may explode on percussion.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

TLV/TWA: 0.1 mg/m^3 for Sodium azide [(1)]

TLV /STEL: 0.3 mg/m^3 for Sodium azide [(1)]

TLV -CEILING: 0.29 mg/m^3 for Sodium azide (ACGIH) [(1)]

EU OEL: 0.1 mg/m³ as TWA, 0.3 mg/m^3 as STEL (skin) for Sodium azide [(1)]

US OSHA PEL FINAL-CL: 0.3 mg/m^3 (as NaN_3) (skin) for Sodium azide

MAK: 0.2 mg/m^3, inhalable fraction for Sodium azide [(5)]

8.2 Exposure Controls

Respiratory protection:	Respiratory protection is not required. Where risk assessment shows air-purifying respirators are appropriate, use masks with approved filter.
Skin protection:	Protective clothing, rubber or polythene gloves.
Eye protection:	Safety glasses.
Hand protection:	Rubber or polythene gloves.
Other protective systems:	Personal protective equipment (PPE) useful for reducing individual exposure.
Environmental protection:	Avoid any release into the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance:	Liquid
Odor:	Odourless
Color:	Clear

9.2 Important health, safety and environmental information

	Value	Related to
pH:	not available	
Boiling point/range:	not available	
Flash point:	not available	
Vapor pressure:	not available	
Density:	not available	
Solubility:	not available	
Water Solubility:	soluble	Mixture
Viscosity:	not available	
Vapor density:	not available	
Evaporation rate:	not available	

9.3 Other information

Melting point/range: not available

10. STABILITY AND REACTIVITY

Stability: The product is stable until the expiration date shown on the box and on the labels when stored at 2 - 8°C.

10.1 Conditions to avoid: Keep away from heat, water, humidity and light.

10.2 Materials to avoid: Strong oxidising agents, acids, alkalis, heavy metals and their salts. Sodium azide has been reported to form lead or copper azide in laboratory plumbing which may explode on percussions. Sodium azide reacts vigorously with heated water.

10.3 Hazardous decomposition products: Thermal decomposition or combustion may include toxic and hazardous fumes of CO_x, NO_x, Na_2O.

11. TOXICOLOGICAL INFORMATION

11.1 Toxicokinetic effects (ADME)

Absorption: Sodium azide is rapidly absorbed from the gastrointestinal tract and from injection sites. [2]

Distribution: not available

Metabolism: not available

Excretion: not available

11.2 Acute toxicity	**Value**	**m.u.**	**Effects**		**Related to**
Oral:	LD50 (rat) = 27	mg/Kg		[3]	Sodium azide
Dermal:	LD50 (rat) = 50	mg/Kg		[3]	Sodium azide
Inhalation:	LC50 (rat) = 37	mg/m^3	Structural or functional change in trachea or bronchi, effects on eye, convulsions or effect on seizure threshold.	[3]	Sodium azide
Other data:	not available				

11.3 Irritation

Skin: not available

Eye: not available

Inhalation: not available

11.4 Sensitization:

Skin sensitization: not available

Sensitization by inhalation: not available

11.5 Prolonged exposure toxicity: not available

11.6 CMR effects				Related to
Mutagenicity:	Ames test:	Sodium azide was mutagenic in *Salmonella typhimurium* strains TA100 and TA1535 with or without exogenous metabolic activation (S9); it was not mutagenic in strain TA1537 or TA98.	(4)	Sodium azide
	Mouse lymphoma:	not available		
	Chromosomal aberration:	Negative	(4)	Sodium azide
	Micronucleus test:	not available		

Teratogenesis: In a teratogenic study employng albino rats treated orally with technical Sodium azide at dose levels of 0.5, 1.5, or 5.0 mg/kg daily during gestation days 6 through 15, no teratogenic effects dur to Sodium azide were found. Sterility has been produced in male mice given sodium azide. (2)

Carcinogenesis: Carcinogenicity studies were conducted by administering Sodium azide (greater than 99% pure) in distilled water by gavage to groups of male and female rats once daily, 5 days per week for 14 days, 13 weeks, or 2 years. Under the conditions of these 2-year gavage studies, there was no evidence of carcinogenic activity of sodium azide in male or female rats administered 5 or 10 mg/kg. Sodium azide induced necrosis in the cerebrum and the thalamus of the brain in both male and female rats. (4)

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicology	Value	m.u.		Related to
Acute toxicity with fish:	LC50 bluegill fish = 0.7	mg/l/96 hours	(2)	Sodium azide
Acute toxicity with Daphnia Magna:	EC50 daphnia pulex = 4.2	mg/l/96 hours	(2)	Sodium azide
Acute toxicity with algae:	ErC50 = not available	mg/l/72 hours		

12.2 Mobility: The dissipation of azides in soil is not by microbial action but is strictly a chemical process accelerated by increasing acidity and elevated temperatures. (2)

12.3 Persistency and degradability: not available

12.4 Bioaccumulation potential: not available

12.5 Evaluation PBT result: not available

12.6 Other toxic effects: not available

13. DISPOSAL CONSIDERATION

National laws on disposal must be considered, local and UE requirements for wastes recycling must be respected.
Used waste product, surplus product or spillage products shall be disposed of in accordance with national, state and local laws.

14. TRANSPORT INFORMATION

Not classified for transport in accordance with ADR/RID, IMDG, IATA and DOT regulations.

15. REGULATORY INFORMATION

Regulatory information on labeling according to 67/548/EEC, to 1999/45/EEC Directive and to 1272/2008 Regulation (EC)(European reinforcement of GHS), and according to their following amendments/atp.

	According to 67/548/EEC and 1999/45/EEC Directives	According to 1272/2008/EC Regulation
Classification:	**Xn, R22**	**Acute Tox. 4, H302**
Labeling symbols: (signal word)	 **Xn - Harmful**	 **Warning**

	According to 67/548/EEC and 1999/45/EEC Directives	According to 1272/2008/EC Regulation
Labeling risk phrases: (hazard statements)	**R22:** Harmful if swallowed.	**H302**: Harmful if swallowed.
Labeling safety phrases: (precautionary statements)	**S46:** If swallowed, seek medical advice immediately and show this container or label. **S24/S25:** Avoid contact with skin and eyes.	**P270:** Do no eat, drink or smoke when using this product. **P301+312:** IF SWALLOWED : Call a poison center or doctor/physician if you feel unwell. **P330:** Rinse mouth.

Other labeling details: Contains: Sodium azide.

Safety precautions: Wear suitable protective clothing, gloves and eye/face protection.

Authorization: no

Restriction: no

16. OTHER INFORMATION

Phrases R:
R28: Very toxic if swallowed.
R32: Contact with acids liberates very toxic gas.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R22: Harmful if swallowed.

Hazard Statements:
H300: Fatal if swallowed.
H302: Harmful if swallowed.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

The contained information in this MSDS are in accordance with Annex II of Regulation no.1907/2006 (REACH) and in accordance with ANSI "Standard for Hazardous Industrial Chemicals - Material Safety Data Sheets – Preparation" (ANSI Z400.1-2004) as recommended by US OSHA.

Bibliographic references:

(1) International Chemical Safety Cards, Sodium azide
(2) HSDB Hazardous Substances Databank, Sodium azide
(3) ChemIDplus Lite, Sodium azide, full record
(4) National Toxicology Program database Search Application, Toxicology and Carcinogenesis Studies of Sodium azide (CAS: 26628-22-8) in F344 Rats (Gavage Studies)
(5) Haz-Map Occupational exposure to hazardous Agents, Sodium azide
(*) Classification in Annex I of Dir 67/548/EEC and in Annex VI of the 1272/2008/EC Regulation

1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Identification of the mixture

Product Name: **NEGATIVE CONTROL**

Product Number: **NOT APPLICABLE**

1.2 Use of the mixture: For in vitro diagnostic use.

1.3 Company identification:

MANUFACTURER:
Instrumentation Laboratory Co.
180 Hartwell Road,
Bedford, MA 01730-2443 (USA)
Tel. +1 800 678 0710
Fax +1 781 863 9928

DISTRIBUTOR EU:
Via Roma, 103
20040 Cavenago Brianza (Italy)

DISTRIBUTOR US/CANADA:
Beckman Coulter Inc.
250 S. Kraemer Blvd.
Brea, CA 92821, U.S.A

E-mail address of the competent person: infosds@mail.ilww.it

1.4 Emergency phone: +44 (0)3700 492 795
+1 215 207 0061 (USA and Canada)

2. HAZARDS IDENTIFICATION

2.1 Mixture classification ***(see also ch. 15)***

Classified: **Xn, R22** according to 67/548/EEC and 1999/45/EEC Directives

Classified: **Acute Tox. 4, H302** according to 1272/2008/EC Regulation

2.2 Potential health and environmental effects

Ingestion: Harmful if swallowed.

Inhalation exposure: May cause irritation.

Contact with skin: May cause irritation.

Contact with eyes: May cause irritation.

Sensitization: Might cause sensitization by inhalation or skin contact.

Environmental exposure: Might cause adverse effects for the environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition: solution containing organic and inorganic compounds.

3.1 Hazardous components:

Name	EINECS / ELINCS n°	CAS n°	Conc. % w / w	Classification 67/548/EEC	Classification 1272/2008/EC
Sodium Azide (*)	247-852-1	26628-22-8	< 0.2	T^+, R28 R32 N, R50-53	Acute Tox. 2, H300 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
For exposure limits see ch. 8, for phrases R and hazard statements text see ch. 16					

4. FIRST AID MEASURES

Ingestion: If swallowed rinse mouth with plenty of water provided person is conscious. Get medical advice if adverse symptoms appear.

Inhalation exposure: If inhaled, move person to fresh air. Get medical advice if adverse symptoms appear.

Contact with skin: Remove contaminated clothes and shoes. Wash affected area with soap or mild detergent and plenty of water. Get medical advice if adverse symptoms appear.

Contact with eyes: Wash immediately with plenty of water or normal saline. Keep eyelid open with the finger. Get medical advice if adverse symptoms appear.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing means:	Water spray or regular foam, CO_2, dry powder.
Mean of extinguishing NOT to be used:	Not known.
Known hazards caused by combustion:	Thermal decomposition or combustion may generate toxic and hazardous fumes (CO_x, NO_x, Na_2O).
Equipment for self-protection: (fire fighters):	Self-contained breathing apparatus, flame and chemical resistant clothing, boots and gloves.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Suitable protective clothing, rubber or polythene gloves, rubber shoes, safety glasses.
Environmental precautions:	Do not let the product enter drainage system, surface and ground-water or soil. Contact local authorities in case of environmental release. Do not empty into drains.
Cleaning procedure to recover spilled material:	Soak up with inert absorbent material, and clean with plenty of water. Send to the storage waiting for disposal procedures.

7. HANDLING AND STORAGE

7.1 Handling

Handling procedures:	Wear suitable protective clothing, gloves, eye protection. When use do not eat, drink or smoke. Provide sufficient ventilation in all work areas.
Work/Hygienic practices:	Wash hands with soap and water after use.

7.2 Storage

Room ventilation:	Well ventilated workplace.
Special precautions: (see also Section 8)	Avoid environmental release.
Recommended temperature:	Store at 2 – 8°C.
Humidity, light and other environmental factors:	Avoid light exposure and keep away from heat sources and non compatible materials.
Containers:	Keep containers tightly closed and labelled with the name of the product.
Other storage precautions:	Keep away from food and drinks. Keep away from contamination with heavy metals. Sodium azide has been reported to form lead or copper azide in laboratory plumbing which may explode on percussion.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

TLV/TWA: 0.1 mg/m^3 for Sodium azide [(1)]

TLV /STEL: 0.3 mg/m^3 for Sodium azide [(1)]

TLV -CEILING: 0.29 mg/m^3 for Sodium azide (ACGIH) [(1)]

EU OEL: 0.1 mg/m³ as TWA, 0.3 mg/m^3 as STEL (skin) for Sodium azide [(1)]

US OSHA PEL FINAL-CL: 0.3 mg/m^3 (as NaN_3) (skin) for Sodium azide

MAK: 0.2 mg/m^3, inhalable fraction for Sodium azide [(5)]

8.2 Exposure Controls

Respiratory protection:	Respiratory protection is not required. Where risk assessment shows air-purifying respirators are appropriate, use masks with approved filter.
Skin protection:	Protective clothing, rubber or polythene gloves.
Eye protection:	Safety glasses.
Hand protection:	Rubber or polythene gloves.
Other protective systems:	Personal protective equipment (PPE) useful for reducing individual exposure.
Environmental protection:	Avoid any release into the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance:	Liquid
Odor:	Odourless
Color:	Clear

9.2 Important health, safety and environmental information

	Value	Related to
pH:	not available	
Boiling point/range:	not available	
Flash point:	not available	
Vapor pressure:	not available	
Density:	not available	
Solubility:	not available	
Water Solubility:	soluble	Mixture
Viscosity:	not available	
Vapor density:	not available	
Evaporation rate:	not available	

9.3 Other information

Melting point/range: not available

10. STABILITY AND REACTIVITY

Stability: The product is stable until the expiration date shown on the box and on the labels when stored at 2 - 8°C.

10.1 Conditions to avoid: Keep away from heat, water, humidity and light.

10.2 Materials to avoid: Strong oxidising agents, acids, alkalis, heavy metals and their salts. Sodium azide has been reported to form lead or copper azide in laboratory plumbing which may explode on percussions. Sodium azide reacts vigorously with heated water.

10.3 Hazardous decomposition products: Thermal decomposition or combustion may include toxic and hazardous fumes of CO_x, NO_x, Na_2O.

11. TOXICOLOGICAL INFORMATION

11.1 Toxicokinetic effects (ADME)

Absorption:	Sodium azide is rapidly absorbed from the gastrointestinal tract and from injection sites. [2]
Distribution:	not available
Metabolism:	not available
Excretion:	not available

11.2 Acute toxicity

	Value	m.u.	Effects		Related to
Oral:	LD50 (rat) = 27	mg/Kg		[3]	Sodium azide
Dermal:	LD50 (rat) = 50	mg/Kg		[3]	Sodium azide
Inhalation:	LC50 (rat) = 37	mg/m^3	Structural or functional change in trachea or bronchi, effects on eye, convulsions or effect on seizure threshold.	[3]	Sodium azide
Other data:	not available				

11.3 Irritation

Skin:	not available
Eye:	not available
Inhalation:	not available

11.4 Sensitization:

Skin sensitization:	not available
Sensitization by inhalation:	not available

11.5 Prolonged exposure toxicity: not available

11.6 CMR effects

				Related to
Mutagenicity:	Ames test:	Sodium azide was mutagenic in *Salmonella typhimurium* strains TA100 and TA1535 with or without exogenous metabolic activation (S9); it was not mutagenic in strain TA1537 or TA98.	(4)	Sodium azide
	Mouse lymphoma:	not available		
	Chromosomal aberration:	Negative	(4)	Sodium azide
	Micronucleus test:	not available		

Teratogenesis: In a teratogenic study employng albino rats treated orally with technical Sodium azide at dose levels of 0.5, 1.5, or 5.0 mg/kg daily during gestation days 6 through 15, no teratogenic effects dur to Sodium azide were found. Sterility has been produced in male mice given sodium azide. (2)

Carcinogenesis: Carcinogenicity studies were conducted by administering Sodium azide (greater than 99% pure) in distilled water by gavage to groups of male and female rats once daily, 5 days per week for 14 days, 13 weeks, or 2 years. Under the conditions of these 2-year gavage studies, there was no evidence of carcinogenic activity of sodium azide in male or female rats administered 5 or 10 mg/kg. Sodium azide induced necrosis in the cerebrum and the thalamus of the brain in both male and female rats. (4)

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicology	Value	m.u.		Related to
Acute toxicity with fish:	LC50 bluegill fish = 0.7	mg/l/96 hours	(2)	Sodium azide
Acute toxicity with Daphnia Magna:	EC50 daphnia pulex = 4.2	mg/l/96 hours	(2)	Sodium azide
Acute toxicity with algae:	ErC50 = not available	mg/l/72 hours		

12.2 Mobility: The dissipation of azides in soil is not by microbial action but is strictly a chemical process accelerated by increasing acidity and elevated temperatures. (2)

12.3 Persistency and degradability: not available

12.4 Bioaccumulation potential: not available

12.5 Evaluation PBT result: not available

12.6 Other toxic effects: not available

13. DISPOSAL CONSIDERATION

National laws on disposal must be considered, local and UE requirements for wastes recycling must be respected.
Used waste product, surplus product or spillage products shall be disposed of in accordance with national, state and local laws.

14. TRANSPORT INFORMATION

Not classified for transport in accordance with ADR/RID, IMDG, IATA and DOT regulations.

15. REGULATORY INFORMATION

Regulatory information on labeling according to 67/548/EEC, to 1999/45/EEC Directive and to 1272/2008 Regulation (EC)(European reinforcement of GHS), and according to their following amendments/atp.

	According to 67/548/EEC and 1999/45/EEC Directives	According to 1272/2008/EC Regulation
Classification:	**Xn, R22**	**Acute Tox. 4, H302**
Labeling symbols: (signal word)	 **Xn - Harmful**	 **Warning**
Labeling risk phrases: (hazard statements)	**R22:** Harmful if swallowed.	**H302**: Harmful if swallowed.
Labeling safety phrases: (precautionary statements)	**S46:** If swallowed, seek medical advice immediately and show this container or label. **S24/S25:** Avoid contact with skin and eyes.	**P270:** Do no eat, drink or smoke when using this product. **P301+312:** IF SWALLOWED : Call a poison center or doctor/physician if you feel unwell. **P330:** Rinse mouth.

Other labeling details: Contains: Sodium azide

Safety precautions: Wear suitable protective clothing, gloves and eye/face protection.

Authorization: no

Restriction: no

16. OTHER INFORMATION

Phrases R:
R28: Very toxic if swallowed.
R32: Contact with acids liberates very toxic gas.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R22: Harmful if swallowed.

Hazard Statements:
H300: Fatal if swallowed.
H302: Harmful if swallowed.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

The contained information in this MSDS are in accordance with Annex II of Regulation no.1907/2006 (REACH) and in accordance with ANSI "Standard for Hazardous Industrial Chemicals - Material Safety Data Sheets – Preparation" (ANSI Z400.1-2004) as recommended by US OSHA.

Bibliographic references:

(1) International Chemical Safety Cards, Sodium azide
(2) HSDB Hazardous Substances Databank, Sodium azide
(3) ChemIDplus Lite, Sodium azide, full record
(4) National Toxicology Program database Search Application, Toxicology and Carcinogenesis Studies of Sodium azide (CAS: 26628-22-8) in F344 Rats (Gavage Studies)
(5) Haz-Map Occupational exposure to hazardous Agents, Sodium azide
(*) Classification in Annex I of Dir 67/548/EEC and in Annex VI of the 1272/2008/EC Regulation

1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Identification of the mixture

Product Name: **BUFFER**

Product Number: **NOT APPLICABLE**

1.2 Use of the mixture: For in vitro diagnostic use.

1.3 Company identification:

MANUFACTURER:
Instrumentation Laboratory Co.
180 Hartwell Road,
Bedford, MA 01730-2443 (USA)
Tel. +1 800 678 0710
Fax +1 781 863 9928

DISTRIBUTOR EU:
Via Roma, 103
20040 Cavenago Brianza (Italy)

DISTRIBUTOR US/CANADA:
Beckman Coulter Inc.
250 S. Kraemer Blvd.
Brea, CA 92821, U.S.A

E-mail address of the competent person: infosds@mail.ilww.it

1.4 Emergency phone: +44 (0)3700 492 795
+1 215 207 0061 (USA and Canada)

2. HAZARDS IDENTIFICATION

2.1 Mixture classification ***(see also ch. 15)***

Classified: **Xn, R22** according to 67/548/EEC and 1999/45/EEC Directives

Classified: **Acute Tox. 4, H302** according to 1272/2008/EC Regulation

2.2 Potential health and environmental effects

Ingestion: Harmful if swallowed.

Inhalation exposure: May cause irritation.

Contact with skin: May cause irritation.

Contact with eyes: May cause irritation.

Sensitization: Might cause sensitization by inhalation or skin contact.

Environmental exposure: Might cause adverse effects for the environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition: solution containing organic and inorganic compounds.

3.1 Hazardous components:

Name	EINECS / ELINCS n°	CAS n°	Conc. % w/w	Classification 67/548/EEC	Classification 1272/2008/EC
Sodium Azide (*)	247-852-1	26628-22-8	< 0.2	T^+, R28 R32 N, R50-53	Acute Tox. 2, H300 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
For exposure limits see ch. 8, for phrases R and hazard statements text see ch. 16					

4. FIRST AID MEASURES

Ingestion: If swallowed rinse mouth with plenty of water provided person is conscious. Get medical advice if adverse symptoms appear.

Inhalation exposure: If inhaled, move person to fresh air. Get medical advice if adverse symptoms appear.

Contact with skin: Remove contaminated clothes and shoes. Wash affected area with soap or mild detergent and plenty of water. Get medical advice if adverse symptoms appear.

Contact with eyes: Wash immediately with plenty of water or normal saline. Keep eyelid open with the finger. Get medical advice if adverse symptoms appear.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing means:	Water spray or regular foam, CO_2, dry powder.
Mean of extinguishing NOT to be used:	Not known.
Known hazards caused by combustion:	Thermal decomposition or combustion may generate toxic and hazardous fumes (CO_x, NO_x, Na_2O).
Equipment for self-protection: (fire fighters):	Self-contained breathing apparatus, flame and chemical resistant clothing, boots and gloves.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Suitable protective clothing, rubber or polythene gloves, rubber shoes, safety glasses.
Environmental precautions:	Do not let the product enter drainage system, surface and ground-water or soil. Contact local authorities in case of environmental release. Do not empty into drains.
Cleaning procedure to recover spilled material:	Soak up with inert absorbent material, and clean with plenty of water. Send to the storage waiting for disposal procedures.

7. HANDLING AND STORAGE

7.1 Handling

Handling procedures:	Wear suitable protective clothing, gloves, eye protection. When use do not eat, drink or smoke. Provide sufficient ventilation in all work areas.
Work/Hygienic practices:	Wash hands with soap and water after use.

7.2 Storage

Room ventilation:	Well ventilated workplace.
Special precautions: (see also Section 8)	Avoid environmental release.
Recommended temperature:	Store at 2 – 8°C.
Humidity, light and other environmental factors:	Avoid light exposure and keep away from heat sources and non compatible materials.
Containers:	Keep containers tightly closed and labelled with the name of the product.
Other storage precautions:	Keep away from food and drinks. Keep away from contamination with heavy metals. Sodium azide has been reported to form lead or copper azide in laboratory plumbing which may explode on percussion.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

TLV/TWA: 0.1 mg/m^3 for Sodium azide [(1)]

EU OEL: 0.1 mg/m³ as TWA, 0.3 mg/m^3 as STEL (skin) for Sodium azide [(1)]

TLV /STEL: 0.3 mg/m^3 for Sodium azide [(1)]

US OSHA PEL FINAL-CL: 0.3 mg/m^3 (as NaN_3) (skin) for Sodium azide

TLV -CEILING: 0.29 mg/m^3 for Sodium azide (ACGIH) [(1)]

MAK: 0.2 mg/m^3, inhalable fraction for Sodium azide [(5)]

8.2 Exposure Controls

Respiratory protection:	Respiratory protection is not required. Where risk assessment shows air-purifying respirators are appropriate, use masks with approved filter.
Skin protection:	Protective clothing, rubber or polythene gloves.
Eye protection:	Safety glasses.
Hand protection:	Rubber or polythene gloves.
Other protective systems:	Personal protective equipment (PPE) useful for reducing individual exposure.
Environmental protection:	Avoid any release into the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance:	Liquid
Odor:	Odourless
Color:	Clear

9.2 Important health, safety and environmental information

	Value	Related to
pH:	7.2 - 7.6	Mixture
Boiling point/range:	not available	
Flash point:	not available	
Vapor pressure:	not available	
Density:	not available	
Solubility:	not available	
Water Solubility:	soluble	Mixture
Viscosity:	not available	
Vapor density:	not available	
Evaporation rate:	not available	

9.3 Other information

Melting point/range:	not available

10. STABILITY AND REACTIVITY

Stability: The product is stable until the expiration date shown on the box and on the labels when stored at 2 - 8°C.

10.1 Conditions to avoid: Keep away from heat, water, humidity and light.

10.2 Materials to avoid: Strong oxidising agents, acids, alkalis, heavy metals and their salts. Sodium azide has been reported to form lead or copper azide in laboratory plumbing which may explode on percussions. Sodium azide reacts vigorously with heated water.

10.3 Hazardous decomposition products: Thermal decomposition or combustion may include toxic and hazardous fumes of CO_x, NO_x, Na_2O.

11. TOXICOLOGICAL INFORMATION

11.1 Toxicokinetic effects (ADME)

Absorption:	Sodium azide is rapidly absorbed from the gastrointestinal tract and from injection sites. [2]
Distribution:	not available
Metabolism:	not available
Excretion:	not available

11.2 Acute toxicity

	Value	m.u.	Effects		Related to
Oral:	LD50 (rat) = 27	mg/Kg		[3]	Sodium azide
Dermal:	LD50 (rat) = 50	mg/Kg		[3]	Sodium azide
Inhalation:	LC50 (rat) = 37	mg/m^3	Structural or functional change in trachea or bronchi, effects on eye, convulsions or effect on seizure threshold.	[3]	Sodium azide
Other data:	not available				

11.3 Irritation

Skin:	not available
Eye:	not available
Inhalation:	not available

11.4 Sensitization:

Skin sensitization:	not available
Sensitization by inhalation:	not available

11.5 Prolonged exposure toxicity: not available

11.6 CMR effects

				Related to
Mutagenicity:	Ames test:	Sodium azide was mutagenic in *Salmonella typhimurium* strains TA100 and TA1535 with or without exogenous metabolic activation (S9); it was not mutagenic in strain TA1537 or TA98.	(4)	Sodium azide
	Mouse lymphoma:	not available		
	Chromosomal aberration:	Negative	(4)	Sodium azide
	Micronucleus test:	not available		

Teratogenesis: In a teratogenic study employng albino rats treated orally with technical Sodium azide at dose levels of 0.5, 1.5, or 5.0 mg/kg daily during gestation days 6 through 15, no teratogenic effects dur to Sodium azide were found. Sterility has been produced in male mice given sodium azide. (2)

Carcinogenesis: Carcinogenicity studies were conducted by administering Sodium azide (greater than 99% pure) in distilled water by gavage to groups of male and female rats once daily, 5 days per week for 14 days, 13 weeks, or 2 years. Under the conditions of these 2-year gavage studies, there was no evidence of carcinogenic activity of sodium azide in male or female rats administered 5 or 10 mg/kg. Sodium azide induced necrosis in the cerebrum and the thalamus of the brain in both male and female rats. (4)

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicology	Value	m.u.		Related to
Acute toxicity with fish:	LC50 bluegill fish = 0.7	mg/l/96 hours	(2)	Sodium azide
Acute toxicity with Daphnia Magna:	EC50 daphnia pulex = 4.2	mg/l/96 hours	(2)	Sodium azide
Acute toxicity with algae:	ErC50 = not available	mg/l/72 hours		

12.2 Mobility: The dissipation of azides in soil is not by microbial action but is strictly a chemical process accelerated by increasing acidity and elevated temperatures. (2)

12.3 Persistency and degradability: not available

12.4 Bioaccumulation potential: not available

12.5 Evaluation PBT result: not available

12.6 Other toxic effects: not available

13. DISPOSAL CONSIDERATION

National laws on disposal must be considered, local and UE requirements for wastes recycling must be respected.
Used waste product, surplus product or spillage products shall be disposed of in accordance with national, state and local laws.

14. TRANSPORT INFORMATION

Not classified for transport in accordance with ADR/RID, IMDG, IATA and DOT regulations.

15. REGULATORY INFORMATION

Regulatory information on labeling according to 67/548/EEC, to 1999/45/EEC Directive and to 1272/2008 Regulation (EC)(European reinforcement of GHS), and according to their following amendments/atp.

	According to 67/548/EEC and 1999/45/EEC Directives	According to 1272/2008/EC Regulation
Classification:	**Xn, R22**	**Acute Tox. 4, H302**
Labeling symbols: (signal word)	 **Xn - Harmful**	 **Warning**
Labeling risk phrases: (hazard statements)	**R22:** Harmful if swallowed.	**H302**: Harmful if swallowed.
Labeling safety phrases: (precautionary statements)	**S46:** If swallowed, seek medical advice immediately and show this container or label. **S24/S25:** Avoid contact with skin and eyes.	**P270:** Do no eat, drink or smoke when using this product. **P301+312:** IF SWALLOWED : Call a poison center or doctor/physician if you feel unwell. **P330:** Rinse mouth.

Other labeling details: The mixture contains at least 1% of components of unknown toxicity for health and aquatic environment..

Contains: Sodium azide

Safety precautions: Wear suitable protective clothing, gloves and eye/face protection.

Authorization: no

Restriction: no

16. OTHER INFORMATION

Phrases R:
R28: Very toxic if swallowed.
R32: Contact with acids liberates very toxic gas.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R22: Harmful if swallowed.

Hazard Statements:
H300: Fatal if swallowed.
H302: Harmful if swallowed.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

The contained information in this MSDS are in accordance with Annex II of Regulation no.1907/2006 (REACH) and in accordance with ANSI "Standard for Hazardous Industrial Chemicals - Material Safety Data Sheets – Preparation" (ANSI Z400.1-2004) as recommended by US OSHA.

Bibliographic references:

(1) International Chemical Safety Cards, Sodium azide
(2) HSDB Hazardous Substances Databank, Sodium azide
(3) ChemIDplus Lite, Sodium azide, full record
(4) National Toxicology Program database Search Application, Toxicology and Carcinogenesis Studies of Sodium azide (CAS: 26628-22-8) in F344 Rats (Gavage Studies)
(5) Haz-Map Occupational exposure to hazardous Agents, Sodium azide
(*) Classification in Annex I of Dir 67/548/EEC and in Annex VI of the 1272/2008/EC Regulation