



Hain Lifescience GmbH  
Hardwiesenstr. 1  
72147 Nehren  
Deutschland  
www.hain-lifescience.de

## SAFETY DATA SHEET BSDS12

Language	EN
Revision No.:	1
Date:	2018-08-14

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

1.1.1 Component Name	1.1.2 Code
Cartridges for the Viral NA isolation procedure	Kit Components: Viral NA Extraction Kit. Product code 12.08.02
Magnetic Beads	Kit Components: Bullet Stool Kit, Product code 1.32.104

The information included in this safety data sheet exclusively refers to the components listed in point 1.1.1

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

Laboratory reagents for in vitro diagnostics

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

**Manufacturer:** Hain Lifescience GmbH  
Hardwiesenstr. 1  
72147 Nehren  
Deutschland  
Tel: +49 (0) 74 73- 94 51- 0  
www.hain-lifescience.de

**Responsible Person:** msds@hain-lifescience.de

#### 1.4 Emergency telephone number

European emergency number: 112

#### United Kingdom of Great Britain and Northern Ireland

National Poisons Information Service (Birmingham Unit)  
City Hospital  
Dudley Rd  
Birmingham

**Telephone number:** +44 121 507 4123  
**Emergency telephone number:** 844 892 0111  
**Fax:** +44 121 507 55 88 **E-mail:** mail@npis.org

National Poisons Information Service Edinburgh  
Scottish Poisons Information Bureau  
Royal Infirmary  
51 Little France Crescent  
Edinburgh  
Emergency number: 999

**Telephone number:** +44 131 242 1383  
**Emergency telephone number:** 844 892 0111  
**Fax:** +44 131 242 13 87 **E-mail:** spib@luht.scot.nhs.uk

#### Ireland

Poisons Information Centre of Ireland  
Beaumont Hospital  
PO Box 1297  
Dublin  
Emergency number: 999

**Telephone number:** +353 1 809 25 66  
**Emergency telephone number:**  
+353 1 837 9964 (medical professionals)  
+353 1 809 2166 (public)  
**Fax:** +353 1 836 84 76 **E-mail:** npicdublin@beaumont.ie

#### The Netherlands

National Poisons Information Centre, The Netherlands  
University Medical Centre Utrecht  
Postbus 85500  
Utrecht

**Telephone number:** +31 88 755 85 61  
**Emergency telephone number:** +31 30 274 88 88  
**Fax:** +31 30 254 15 11 **E-mail:** nvic@umcutrecht.nl



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### Malta

Mater Dei Hospital  
Msida MSD 2090  
MALTA

Telephone number: 2545-0000  
Fax: 2545 4154 E-mail: mdh@gov.mt

### Australia

NSW Poisons Information Centre  
Childrens Hospital Westmead  
Hawkesbury Road  
Sydney

Telephone number: +61 2 9845 3969  
Emergency telephone number: 131126 (national calls)  
Fax: +61 2 9845 3597 E-mail: www.poisonsinfo.nsw.gov.au

### South Africa

Tygerberg Poison Information Centre  
Division of Pharmacology, Department of Medicine  
Faculty of Health Sciences  
Tygerberg Campus  
Stellenbosch University  
Tygerberg

Telephone number: +27 21 938 95 96  
Emergency telephone number: +27 21 931 6129  
Fax: +27 21 938 91 22 E-mail: caw@sun.ac.za

## SECTION 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

The product is not classified as hazardous pursuant to Regulation (EC) 1272/2008. However the product requires a safety data sheet as it contains a substance for which there are workplace exposure limits set by the European Community.

### 2.2 Label elements

EUH210 safety data sheet available on request.

### 2.3 Other hazards

Potential biological hazard: Contains biological materials of human / animal origin.

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

N.A.

### 3.2 Mixtures

Contains: Sodium Azide

CAS No.	CE No.	Index No.	Concentration	Classification Reg. 1272/2008
26628-22-8	247-852-1	011-004-00-7	<0.1%	Acute Tox. 2 H300 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Indication of additional hazard EUH032

Refer to §16 for complete text of hazard statements and class

## SECTION 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

Seek medical advice for first aid; protect first aid providers; wear suitable hand and eye protection and, if necessary, breathing protection

**Inhalation:** Take the person outdoors to fresh air and seek medical advice. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Skin contact:** Remove contaminated clothing. Disinfect and wash skin with soap and water. Seek medical advice.



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**Eye contact:** Rinse thoroughly with water or suitable eyewash for a minimum of 15 – 20 minutes. Seek medical advice.

**Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice.

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

No information available

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

Seek medical attention as soon as possible

## SECTION 5 FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Use suitable extinguishing media, such as: carbon dioxide, foams, sprayed water, sand or aggregates.

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

Non-combustible preparation. Ambient fire may liberate hazardous vapours.

### 5.3 Advice for firefighters

Wear suitable protective clothing, including helmet and mask with self-contained breathing apparatus, CE certified according with Directive 89/686/EEC or NIOSH approved (USA).

Remove containers from the area of the fire if it is possible to do so without incurring risks.

Prevent fire-fighting water from entering surface water or groundwater. Collect in containers suitable for disposal.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

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

Free the contaminated area of non-emergency personnel.

Let fresh air enter contaminated area.

Avoid coming into contact with the substance and handling damaged containers without wearing suitable protective clothing and personal protection equipment for the face, hands and airways, CE certified according with Directive 89/686/EEC or NIOSH approved (USA).

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Should not be released into the environment.

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

Cover spillage with inert absorbent material.

Recover spilled material by mechanical means and collect in clean and suitably labelled containers.

Thoroughly wash and disinfect contaminated surfaces.

### 6.4 Reference to other sections

Disposal of recovered material as waste (see section 13); use personal protection equipment as indicated in section 8.

## SECTION 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with eyes, skin or clothing. Use in a suitably ventilated room. Do not eat, drink or smoke during use. Do not pipette by mouth. Wear lab coats, suitable eye protection and disposable gloves. Avoid splashing or forming an aerosol. Wash hands carefully on completion of operations.

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

Keep away from foodstuffs, drinks and animal feed. Protect containers against damage.

### 7.3 Specific end uses

The mixture is intended specifically for in vitro use, for the examination of samples of human origin. Handle in accordance with good laboratory practice (GLP), while also considering the risks deriving from the material under analysis.



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### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

Substance: sodium azide, CAS 26628-22-8

Country	Limit Value – 8 Hrs (TWA)		Limit Value – Short Term (STEL)		Legal Basis
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
EU	-	0.1	-	0.3	Directive 2000/39/EC
Switzerland	-	0.2 Inhalable aerosol	-	0.2 Inhalable aerosol	Swiss Accident Insurance Institute (SUVA) - Valeurs limites d'exposition aux postes de travail (ref. 1903.f)
United States			0.1 (Hydrazoic acid fume)	0.3	NIOSH – Recommended Exposure Limit
			0,11 (HN3)	0.29	American Conference of Governmental Industrial Hygienists (ACGIH)
Canada			0,11 (HN3)	0.29	Canada Occupational Health and Safety Regulations

#### 8.2 Exposure controls

**Eye protection:** wear suitable eye protection.

**Hand protection:** wear CE-certified protective gloves in accordance with Directive 89/686/EEC suitable for handling chemical and biological reagents.

**Body protection:** Wear lab coats.

**Breathing protection:** avoid inhaling any airborne contaminants.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Liquid
Colour	Clear
Odour	N/A
Odour threshold	N/A
pH	6 to 8
Melting point / freezing point	No information available
Initial boiling point	No information available
Boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	N/A
Upper / Lower flammability or explosive limits	N/A
Vapour pressure	No information available
Vapour density	No information available
Relative density	No information available
Solubility	No information available
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	Ref. point 10.3
Oxidising properties	No information available

#### 9.2 Other information

Not available



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### SECTION 10 STABILITY AND REACTIVITY

#### 10.1 Reactivity

Information not available.

#### 10.2 Chemical stability

Stable in recommended storage conditions.

#### 10.3 Possibility of hazardous reactions

In contact with acids, sodium azide liberates very toxic gases, and may also form explosive compounds with some metals (e.g. lead, copper)

#### 10.4 Conditions to avoid

Information not available.

#### 10.5 Incompatible materials

Information not available.

#### 10.6 Hazardous decomposition products

Information not available.

### SECTION 11 TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

Mixture: no information available

Information on hazardous component (sodium azide):

Acute toxicity by mouth, skin and inhalation

LD-50 (oral): rat: 27 mg/kg

LD-50 (dermal): rabbit: 20 mg/kg

LC-50 4-hour (inhalation): rat: 37 mg/m<sup>3</sup>

Clinical symptomatology may be immediate or delayed. However administered, one of the most frequent symptoms is hypotension. Mild or moderate exposure may cause headaches, mild hypotension, fainting, nausea, vomit, diarrhea, abdominal pains and anxiety. More severe intoxication may cause CNS depression, coma, chest pains, hyperthermia or hypothermia, pulmonary edema, lactic acidosis, bradycardia or tachycardia, severe hypotension, cardiac dysrhythmia and visual disturbances. The substance is irritating for the eyes, skin and respiratory tract.

Corrosive and/or irritating for the skin, eyes and respiratory system

No information available.

Long-term toxicity (sub-acute, sub-chronic, chronic).

Persons chronically exposed to the substance have manifested headaches, no pathological alterations were recorded. In a long-term study carried out on male and female rats, the substance, administered by gavage was shown to cause, in both sexes, necrosis of the brain and the thalamus, pulmonary congestion due to cardiovascular collapse as a result of the cerebral necrosis.

Carcinogenicity, Mutagenicity and Reproductive Toxicity (fertility and development).

In a two-year long study carried out on rats administered by gavage, no carcinogenic activity of the substance was observed. The substance was found to be mutagenous on plants and bacteria, but marginally active on mammal cells. No suitable studies are available concerning reproductive toxicity.

### SECTION 12 ECOLOGICAL INFORMATION

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil, sewers and waterways. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

#### 12.1 Toxicity

Mixture: no information available.

Information on hazardous component (sodium azide): short-term effects:

Parameter	Animal species	Time of exposure	Data
LC50	Fish	96 hours	0.7 mg/l
EC50	Shellfish	48 hours	4.2 mg/l

Long-term effects: Information not available.



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## 12.2 Persistence and degradability

Information not available.

## 12.3 Bioaccumulative potential

Information not available.

## 12.4 Mobility in soil

If spilled, may enter ground.

## 12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

## 12.6 Other adverse effects

Information not available.

## SECTION 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Dispose of in accordance with all European, state and local environmental regulations. Use a dedicated company for dangerous waste disposal. Send for disposal as dangerous waste (see point 2.3). Recommended disposal method: incineration. Normative references: Directives 94/62/EC, 2008/98/EC, Commission Decision 2000/532/EC.

## SECTION 14 TRANSPORT INFORMATION

The mixture is not to be considered hazardous within the meaning of the provisions in force governing the transport of hazardous materials by road (ADR), rail (RID), sea (IMDG code) and air (ICAO, IATA).

14.1 UN Number: N/A

14.2 UN proper shipping name: N/A

14.3 Transport hazard class(es): N/A

14.4 Packaging group: N/A

14.5 Environmental hazards: N/A

14.6 Special precautions for user: N/A

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: N/A

## SECTION 15 REGULATORY INFORMATION

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

<b>EU</b>	Restriction pursuant to Annex XVII to EC Regulation 1907/2006	N/A
	Seveso category	None
	Candidate List (art. 59 Regulation 1907/2006)	N/A
	authorization (Annex XIV REACH)	N/A
<b>UNITED STATES</b>	Product components listed in Section 1.1 are classified in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200, and individual US state Right-to-Know laws.	
	CAA:	N – Does not contain any hazardous air pollutants (HAPs) or Class 1 or 2 Ozone depleters.
	CWA:	N
	CERCLA:	RQ – 1,000 lbs.
	SARA 302:	TPQ – 500 lbs.
	SARA 311/312:	Acute: Y, Chronic: Y, Fire: Y, Pressure: N, Reactivity: Y
SARA 313:	Y – Releases > 1.0 lbs into the air, water or land must be reported.	



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	TSCA:	Y	
	CA Prop 65:	N	
<b>Canada</b>	DSL:	Y	
	NDSL:	N	
NFPA	Health: 2	Flammability: 0	Reactivity: 0
Rotterdam Convention – annex III	N/A		
Stockholm convention	N/A		

### 15.2 Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

## SECTION 16 OTHER INFORMATION

### HAZARD STATEMENTS AND CLASS

Acute Tox	Acute Toxicity
Aquatic Acute	Hazardous to the aquatic environment, acute toxicity
Aquatic Chronic	Hazardous to the aquatic environment, chronic toxicity
H300	Lethal if swallowed
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life, with long lasting effects
EUH032	Contact with acids liberates very toxic gas

### GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. The Merck Index. - 10th Edition
4. Handling Chemical Safety
5. CDC - NIOSH website – Guide to Chemical Hazards
6. INRS - Fiche Toxicologique (toxicological sheet)
7. Patty - Industrial Hygiene and Toxicology
8. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
9. ECHA website
10. US OSHA 29 CFR 1910.1200
11. eChemPortal website
12. IARC website – Evaluation of carcinogenic risks to humans
13. Health Canada website
14. Canada Labour Health and Safety website
15. CCOHS website
16. World Health Organization - Laboratory biosafety manual , 3rd ed.
17. OECD – Principles of good laboratory practice

### Further information

All information is correct, to the best of our knowledge, on the date of issue of the data sheet. It is provided for information purposes only, however, and does not constitute a guarantee.

Procedures for use: see instructions in the package. Do not use the product for any purpose other than that for which it is intended.

Judgments as to the suitability of information herein for the purchaser's purposes are necessarily the purchaser's responsibility.

Although reasonable care has been taken in the preparation of such information, the company extends no warranties, makes no representations and assumes no responsibility as to accuracy or suitability of such information for application to purchaser's intended purposes and accepts no responsibility for any injury, loss or damage deriving from improper use of the product.

The product is employed under its users' control and it is their responsibility to comply with the correct operating procedures indicated, as well as to observe proper laboratory hygiene.