

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Eon[®] 300 HDL Calibrator
Product Code 79119
Infosafe No. CV42E GB/eng/C
Issued Date 15/11/2013
Product Type/Use In-Vitro Medical Diagnostics.

Supplier
 Vital Diagnostics US
 27 Wellington Road
 Lincoln, Rhode Island 02865
 U.S.A.

Telephone Numbers
Emergency Tel.
 Americas: 1-760-476-3962
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Contact Details

msds@vitaldiagnostics.com

2. HAZARDS IDENTIFICATION

Human Health Hazards

Contact with the eyes may result in irritation.
 Prolonged or repeated skin exposure may cause skin rashes in some individuals.

Safety Hazards

No specific hazards under normal use conditions.

Environmental Hazards

No specific hazards under normal use conditions.

Other Information

HMIS rating: Not available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Preparation Description

This kit contains four vials of lyophilized powder.

Name	CAS	EINECS	Proportion	Hazard	R Phrase
Sodium azide	26628-22-8	247-852-1	0.3%		
Human Serum	-	-	> 90%	-	-

3. COMPOSITION/INFORMATION ON INGREDIENTS CONTINUED**Preparation Description**

The serum in this kit is of human origin. This serum has been tested for the HIV (Human Immunodeficiency Virus) Antibody, HBs Ag and HCV and found to be non-reactive. However As no method can offer complete assurance as to the absence of infectious agents. This material and all patient samples should be handled as though capable of transmitting infectious disease and Disposed of accordingly.

4. FIRST AID MEASURES**Inhalation**

In the unlikely event of dizziness or nausea, remove casualty to fresh air.

Skin

Remove contaminated clothing and wash affected skin with soap and water.

Eye

Flush eye with water. Seek medical attention if irritation occurs.

Ingestion

Wash out mouth with water. Seek medical attention.

Advice to Doctor

Treat symptomatically.

5. FIRE FIGHTING MEASURES**Specific Hazards**

Irritating or highly toxic gases may be generated by combustion, including carbon monoxide (CO), carbon Dioxide (CO₂) and nitrogen oxides (NO_x).

Extinguishing Media

Use extinguishing media suitable for surrounding fire, such as carbon dioxide, chemical foam, dry chemical or Water spray.

Protective Equipment

Proper protective equipment.

Hazardous Combustion Products

Thermal decomposition of this product's components may produce carbon oxides and nitrogen oxides.

Other Information

NFPA rating: Not available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with skin and eyes.

Environmental Precautions

This preparation contains a small amount of sodium azide. Sodium azide is harmful to aquatic organisms and can react with copper, lead, brass or solder in plumbing systems and form potentially explosive metal azides. Prevent preparation from entering the drain and water intakes in the environment. If preparation enters the drain, flush with large amounts of water to prevent azide build up. Follow proper disposal procedures

Spills & Disposal

Sweep up or vacuum spilled solid. Disinfect area with 0.5% hypochlorite solution. Do not mix with wastes from other materials.

7. HANDLING AND STORAGE

Handling

Keep containers closed when not in use.

Storage

Store in original container. Keep away from incompatible material.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Sodium azide, as sodium azide	ACGIH	PEL	0.29	mg/m ³	Ceiling
Sodium azide, as hydrazoic acid vapor	ACGIH	PEL	0.11	ppm	Ceiling
Sodium azide	Belgium	STEL, TWA	0.3, 0.1	mg/m ³	
Sodium azide	Denmark	TLV	0.1	mg/m ³	
Sodium azide	France	VLE, VME	0.3, 0.1	mg/m ³	
Sodium azide	Germany	AGW	0.2	mg/m ³	
Sodium azide	Italy	STEL, TWA	0.3, 0.1	mg/m ³	
Sodium azide	Netherlands	STEL, TWA	0.3, 0.1	mg/m ³	
Sodium azide	Spain	STEL, TWA	0.3, 0.1	mg/m ³	
Sodium azide	Sweden	STEL, TWA	0.3, 0.1	mg/m ³	
Sodium azide	Switzerland	STEL, TWA	0.4, 0.2	mg/m ³	Inhalable dust
Sodium azide	United Kingdom	STEL, TWA	0.3, 0.1	mg/m ³	

ACGIH ACGIH Threshold Limit Values.

Other Exposure Information

No Biological Limit Value allocated.

Eng. Controls

Use in well ventilated area.

Respiratory Protection

Under normal conditions, the use of this product should not require respiratory protection.

Eye Protection

Safety glasses or chemical goggles should be worn to prevent eye contact.

Body Protection

Impervious gloves should be worn to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale yellow pellet.
Odour	Odourless.
Odour Threshold	Not applicable.
pH Value	Not applicable
Vapour Pressure	Not established.
Boiling Point	Not established.
Melting Point	Not established.
Solubility in Water	Soluble.
Solubility in Organic Solvents	Not applicable.
Specific Gravity (H₂O=1)	Not available.
Flash Point	Not flammable.
Flammable Limits	Not applicable.
Auto-Ignition Temperature	Not applicable.
Kinematic Viscosity	Not established.
Evaporation Rate	Not available.
Vapour Density (Air=1)	Not available.

10. STABILITY AND REACTIVITY

Stability

Stable under normal temperatures and pressures.

Reactivity

This mixture contains a small amount of sodium azide, which can react with copper, lead, brass or solder in plumbing systems and form potentially explosive metal azides.

Conditions to Avoid

Avoid contact with incompatible materials.

Materials to Avoid

Strong oxidizers, strong acids, some metals, substances that are incompatible with water.

Hazardous Decomposition Products

No decomposition products posing significant hazards would be expected from this product (a dilute aqueous solution).

11. TOXICOLOGICAL INFORMATION**Toxicology Information****Acute Toxicity - Oral**

Acute Oral LD50 Mouse: 27mg/kg

Acute Oral LD50 Rat: 27mg/kg

Acute Toxicity - Dermal

Acute Dermal LD50 Rabbit: 20mg/kg

Acute Toxicity - Inhalation

Data not available.

Eye Irritation

May cause irritation.

Skin Irritation

May cause irritation.

Respiratory Irritation

May cause irritation.

Skin Sensitisation

Product not known to cause skin sensitisation.

Carcinogenicity

Product not known to cause cancer.

Mutagenicity

Product not known to cause mutagenicity.

Reproductive Toxicity

Product not known to cause reproductive toxicity.

12. ECOLOGICAL INFORMATION**Ecological Information**

Sodium Azide - EC50 Water flea (*Daphnia pulex*): 2.8-6.2mg/l 48 hours; LC50 Bluegill (*Lepomis macrochirus*): 0.68mg/l 96 hours

Mobility

No information available.

Persistence / Degradability

The components of this product will degrade in the environment into smaller organic and inorganic constituents.

Bioaccumulation

The components of this product are not expected to bioaccumulate.

13. DISPOSAL CONSIDERATIONS**Waste Disposal**

Dispose of waste product, unused product and contaminated packaging in compliance with national and local regulations. If unsure of the applicable requirements, contact the authorities for information.

14. TRANSPORT INFORMATION

Transport Information

Not dangerous for transport under ADR/RID, IMO/IMDG and IATA/ICAO regulations.

ADR/RID Class

None Allocated

ADR/RID Packing Group

None Allocated

IMDG Hazard Class

None Allocated

IMDG Packing Group

None Allocated

IATA Hazard Class

None Allocated

IATA Packing Group

None Allocated

15. REGULATORY INFORMATION

TSCA (USA)	All components listed.
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California Proposition 65

Not listed.

SARA (313) Chemicals

Not listed.

16. OTHER INFORMATION

SDS History

Date prepared: 2013-11-15

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