

Printing date 10/22/2013 Reviewed on 10/22/2013

1 Identification

- · Product identifier
- · Trade name: IRT Standard A F
- · Catalog or product number: 532-5432, 532-5433, 532-5434, 532-5435, 532-5436, 532-5437
- · Application of the substance / the mixture In-vitro laboratory reagent or component
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Bio-Rad Laboratories, Diagnostic Group

4000 Alfred Nobel Drive

Hercules, California 94547

1(510)724-7000

· Information department:

Technical services, customer support

TechsupportUSSD@bio-rad.com

· Emergency telephone number:

1(800) 424-9300 Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION, or ACCIDENT.

2 Composition/information on ingredients

- · Chemical characterization: Substances
- · CAS No. Description:

Lyophilised PBS containing 5% BSA with IRT (Immunoreactive trypsinogen)

- · Additional information: Contains added constituents of animal origin.
- · Chemical characterization: Mixtures
- · **Description**: Mixture of the substances listed below with non-hazardous additions.

· Listing of d	· Listing of dangerous and non-hazardous components:				
26628-22-8	sodium azide	T+ R28 N R50/53 R32	0.1-1.0%		
54-64-8	Thimerosal	T+ R26/27/28 R33	.00101%		

· Additional information For the wording of the listed risk phrases refer to section 15.

3 Hazard(s) identification

- · Classification of the substance or mixture
- · Classification according to Directive 67/548/EEC or Directive 1999/45/EC

not applicable

Xn; Harmful

R22: Harmful if swallowed.

· Information concerning particular hazards for human and environment: not applicable

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

(Contd. on page 2)



Printing date 10/22/2013 Reviewed on 10/22/2013

Trade name: IRT Standard A - F

(Contd. of page 1)

· Classification system:

The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.

The classification was made according to OSHA 29CFR 1910.1200 and 1910.1030, and is expanded upon from company and/or literature information.

- · Label elements
- · Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

· Code letter and hazard designation of product:



Xn Harmful

· Hazard-determining components of labeling:

sodium azide

· Risk phrases:

22 Harmful if swallowed.

· Safety phrases:

36 Wear suitable protective clothing.

- Emergency overview:
- · Routes of exposure: Ingestion
- · Classification system
- NFPA ratings (scale 0-4)

Health = 2

Fire = 0

Reactivity = 0

4 First-aid measures

· General information

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- · After inhalation Supply fresh air; consult doctor in case of complaints.
- · After skin contact Generally the product does not irritate the skin.
- · After eye contact Seek immediate medical advice.
- · After swallowing

Rinse mouth with water. Seek medical attention and appropriate follow-up.

Call a doctor immediately.

Immediately call a doctor.

5 Fire-fighting measures

· Suitable extinguishing agents

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· Special hazards arising from the substance or mixture No further relevant information available.

(Contd. on page 3)



Printing date 10/22/2013 Reviewed on 10/22/2013

Trade name: IRT Standard A - F

· Protective equipment: No special measures required.

(Contd. of page 2)

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Wear protective clothing.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13.
- · Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- · Handling
- · Precautions for safe handling No special precautions are necessary if used correctly.
- · Information about protection against explosions and fires: No special measures required.
- · Storage
- · Requirements to be met by storerooms and receptacles: According to product specification
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- · Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Components with limit values that require monitoring at the workplace:

26628-22-8 sodium azide

REL (United States) Short-term value: C 0.3** mg/m³, C 0.1* ppm

*as HN3 vapor; **as NaN3; Skin

TLV (United States) | Short-term value: C 0.29** mg/m³, C 0.11* ppm

*as HN3 vapor **as NaN3

54-64-8 Thimerosal

REL (United States) Short-term value: C 0.1 mg/m³

TLV (United States) 0.1 mg/m³

Skin; BEI

- · Additional information: The lists that were valid during the creation were used as basis.
- · Personal protective equipment
- · General protective and hygienic measures

Follow the usual biosafety practices for handling potentially infectious materials.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

- · Protection of hands: Protective gloves.
- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

(Contd. on page 4)



Printing date 10/22/2013 Reviewed on 10/22/2013

Trade name: IRT Standard A - F

(Contd. of page 3)

Synthetic gloves

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

Synthetic gloves

- · For the permanent contact gloves made of the following materials are suitable: Synthetic gloves
- For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: Synthetic gloves
- · As protection from splashes gloves made of the following materials are suitable: Synthetic gloves
- · Eye protection: Safety glasses
- · Body protection: Protective work clothing.

General Information		
Appearance:		
Form:	Liquid	
Color:	Yellowish	
Odor:	Odorless	
Odour threshold:	Not determined.	
pH-value at 20°C:	7-8	
Change in condition		
Melting point/Melting range:	undetermined	
Boiling point/Boiling range:	undetermined	
Flash point:	Not applicable	
Flammability (solid, gaseous)	Not determined.	
Ignition temperature:		
Decomposition temperature:	Not determined.	
Auto igniting:	Product is not selfigniting.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapor pressure:	Not applicable.	
Density:	Not determined	
Relative density	Not determined.	
Vapour density	Not applicable.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with		
Water:	Fully miscible	

(Contd. on page 5)



Printing date 10/22/2013 Reviewed on 10/22/2013

Trade name: IRT Standard A - F

(Contd. of page 4)

	(command) page
· Viscosity: dynamic: kinematic:	Not applicable. Not applicable.
· Solvent content: Organic solvents:	0.0 %
Solids content: Other information	100.0 % No further relevant information available.

10 Stability and reactivity

- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Incompatible materials:

This product contains sodium azide. Sodium azide can react with copper, brass, lead, and solder in piping systems to form explosive compounds of lead azide and copper azide.

· Hazardous decomposition products: No dangerous decomposition products known

11 Toxicological information

- · Acute toxicity:
- · Primary irritant effect:
- · on the skin: No irritant effect.
- · on the eye: No irritant effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

(Contd. on page 6)



Printing date 10/22/2013 Reviewed on 10/22/2013

Trade name: IRT Standard A - F

(Contd. of page 5)

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation

Dispose of waste in accordance to applicable national, regional, or local regulations.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Flush pipes with water frequently if discarding solutions containing sodium azide into metal piping systems.

- · Uncleaned packagings:
- · **Recommendation:** Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

4 Transport information				
· UN-Number · DOT, ADR, ADN, IMDG, IATA	Void			
· UN proper shipping name · DOT, ADR, ADN, IMDG, IATA	Void			
· Transport hazard class(es)				
· ADR, ADN, IMDG, IATA · Class	Void			
· Packing group · DOT, ADR, IMDG, IATA	Void			
· Environmental hazards: · Marine pollutant:	No			
· Special precautions for user	Not applicable.			
· Transport in bulk according to Annex II of and the IBC Code	MARPOL73/78 Not applicable.			

15 Regulatory information

- · SARA (Superfund Amendents and Reauthorization Act of 1986 USA)
- · Section 302/304 (40CFR355.30 / 40CFR355.40):

26628-22-8 sodium azide

· Section 313 (40CFR372.65):

26628-22-8 sodium azide

54-64-8 Thimerosal

· TSCA (Toxic Substances Control Act):

26628-22-8 sodium azide

54-64-8 Thimerosal

(Contd. on page 7)



Printing date 10/22/2013 Reviewed on 10/22/2013

Trade name: IRT Standard A - F

(Contd. of page 6)

- · Carcinogenic categories
- · OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

- · National regulations
- · Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing MSDS: Environmental Health and Safety.
- · Contact:

Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741-1000

Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000

* * Data compared to the previous version altered.

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