



# SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

## IH-Anti-D Blend

Material number 186027

Revision date: 10/10/2019

Version: 3

Language: en-US

Date of print: 10/16/2019

Page: 1 of 7

## 1. Product and company identification

### Product identifier

Trade name: IH-Anti-D Blend  
This safety data sheet pertains to the following products:  
813 804 100 IH-Anti-D Blend 5 ml  
813 560 100 IH Titration Solution 10x10 ml  
813 550 100 IH Titration Racks

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

General use: Use as laboratory reagent.  
Only for industrial users.

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

Company name: Bio-Rad Medical Diagnostics GmbH  
Street/POB-No.: Industriestr. 1  
Postal Code, city: 63303 Dreieich  
Germany  
WWW: [www.medizinische-diagnostik-dreieich.de](http://www.medizinische-diagnostik-dreieich.de)  
E-mail: [contact.bmd@bio-rad.com](mailto:contact.bmd@bio-rad.com)  
Telephone: +49 (0)6103-3130-0  
Telefax: +49 (0)6103-3130-646  
Department responsible for information:  
Produktmanagement Transfusion  
Telephone: 06103 3130-611  
Telefax: 06103 3130-724

### Emergency phone number

GIZ-Nord, Göttingen, Germany,  
Telephone: +49 551-19240

## 2. Hazards identification

### Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: liquid  
Color: colorless  
Odor: No data available  
Classification: This material is classified as not hazardous.

### Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and WHMIS in Canada.

### Hazards not otherwise classified

see section 11: Toxicological information



# SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

## IH-Anti-D Blend

Material number 186027

Revision date: 10/10/2019

Version: 3

Language: en-US

Date of print: 10/16/2019

Page: 2 of 7

### 3. Composition / Information on ingredients

Chemical characterization: Aqueous solution of inorganic salts and organic compounds.

Product contains bovine material.

Additional information: Contains sodium azide < 0,1%

### 4. First aid measures

In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.

Following skin contact: Remove residues with water. Change contaminated clothing. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After swallowing: Rinse mouth. Seek medical attention. Never give anything by mouth to an unconscious person.

#### Most important symptoms/effects, acute and delayed

In case of inhalation: May be harmful if inhaled.

#### Information to physician

Treat symptomatically.

### 5. Fire fighting measures

Flash point/flash point range:

No data available

Auto-ignition temperature: No data available

Suitable extinguishing media:

Water spray jet, dry chemical powder, foam, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

#### Specific hazards arising from the chemical

Fires in the immediate vicinity may cause the development of dangerous vapors.

In case of fire may be liberated: Nitrogen oxides (NOx), Carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus. Wear appropriate protective equipment.

Additional information: Do not allow fire water to penetrate into surface or ground water.

Cool exposed containers with water spray.

### 6. Accidental release measures

Personal precautions: Avoid contact with the substance. Provide adequate ventilation. Wear personal protection equipment. Do not breathe vapor or spray.

Environmental precautions:

Do not allow to penetrate into soil, waterbodies or drains.

Methods for clean-up:

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Final cleaning.



# SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

## IH-Anti-D Blend

Material number 186027

Revision date: 10/10/2019

Version: 3

Language: en-US

Date of print: 10/16/2019

Page: 3 of 7

## 7. Handling and storage

### Handling

Advices on safe handling: Avoid contact with skin, eyes, and clothing. Do not breathe vapors. Wear appropriate protective equipment.  
Keep all containers, equipment and working place clean. Provide adequate ventilation, and local exhaust as needed. Change contaminated clothing.

### Storage

Requirements for storerooms and containers:

Keep only in the original container.  
Protect against heat /sun rays.

Hints on joint storage: Do not store together with acids/alkalies and oxidation agents. Keep away from food, drink and animal feedingstuffs.

## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
26628-22-8	Sodium azide	USA: ACGIH: Ceiling	0.11 ppm (as Hydrazoic acid vapour)
		USA: ACGIH: Ceiling	0.29 mg/m <sup>3</sup> (as Sodium azide)
		USA: NIOSH: Ceiling	0.1 ppm
		USA: NIOSH: Ceiling	(as HN <sub>3</sub> ; may be absorbed through the skin) 0.3 mg/m <sup>3</sup> (as NaN <sub>3</sub> ; may be absorbed through the skin)

### Engineering controls

Provide good ventilation and/or an exhaust system in the work area.  
See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Wear suitable protective clothing.  
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded.  
The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.

General hygiene considerations:

Avoid contact with skin and eyes. Provide adequate ventilation. Change contaminated clothing. After work, wash hands and face. When using do not eat, drink or smoke.



# SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

## IH-Anti-D Blend

Material number 186027

Revision date: 10/10/2019

Version: 3

Language: en-US

Date of print: 10/16/2019

Page: 4 of 7

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: liquid Color: colorless
Odor:	No data available
Odor threshold:	No data available
pH value:	at 69.8 °F: 7.2
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	No data available
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Additional information:	No data available

## 10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	None known.
Conditions to avoid:	Protect against heat /sun rays.
Incompatible materials:	Strong oxidizing agents, strong acids and alkalis.
Thermal decomposition:	No data available



# SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

## IH-Anti-D Blend

Material number 186027

Revision date: 10/10/2019

Version: 3

Language: en-US

Date of print: 10/16/2019

Page: 5 of 7

## 11. Toxicological information

### Toxicological tests

Toxicological effects: Acute toxicity (oral): Lack of data.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Based on available data, the classification criteria are not met. May be harmful if inhaled.  
Skin corrosion/irritation: Lack of data.  
Serious eye damage/irritation: Lack of data.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Lack of data.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Based on available data, the classification criteria are not met. product: not carcinogenic. (according to IARC, ACGIH, NTP or OSHA)  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

### Symptoms

In case of inhalation: May be harmful if inhaled.

## 12. Ecological information

### Ecotoxicity

Further details: No data available

### Mobility in soil

No data available

### Persistence and degradability

Further details: No data available

### Additional ecological information

General information: Do not allow to enter into ground-water, surface water or drains.

## 13. Disposal considerations

### Product

Recommendation: Special waste. Dispose of waste according to applicable legislation.

### Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.  
Handle contaminated packages in the same way as the substance itself.  
Non-contaminated packages may be recycled.



# SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

## IH-Anti-D Blend

Material number 186027

Revision date: 10/10/2019

Version: 3

Language: en-US

Date of print: 10/16/2019

Page: 6 of 7

### 14. Transport information

#### USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

#### Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

#### Air transport (IATA)

Proper shipping name: Not restricted

#### Further information

No dangerous good in sense of these transport regulations.

### 15. Regulatory information

#### National regulations - U.S. Federal Regulations

Product: Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))  
Not regulated  
DEA Essential Chemical Code Number  
Not regulated  
Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))  
Not regulated  
DEA Exempt Chemical Mixtures Code Number  
Not regulated  
CERCLA (Superfund) reportable quantity  
None  
Superfund Amendments and Reauthorization Act of 1986 (SARA)  
Hazard categories Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No  
Section 302 extremely hazardous substance - No  
Section 311 hazardous chemical - No

Sodium azide: TSCA Inventory: listed  
TSCA HPVC: not listed  
Other Environmental Laws:  
CERCLA: RQ 1000 lbs.  
RCRA Hazardous Wastes: Code P105  
SARA Title III Section 302, EHS: TPQ 500 lbs. / RQ 1000 lbs.  
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard  
NIOSH Recommendations:  
Current Intelligence Bulletin: 78-127  
Occupational Health Guideline: 0560



# SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

## IH-Anti-D Blend

Material number 186027

Revision date: 10/10/2019

Version: 3

Language: en-US

Date of print: 10/16/2019

Page: 7 of 7

### National regulations - U.S. State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

### National regulations - Canada

DSL: All ingredients are listed or exempt from listing.  
NDSL: Not listed

### National regulations - Great Britain

Hazchem-Code: -

## 16. Other information

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 0 (Minimal)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 0 (Minimal)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

Reason of change: Changes in section 1: Changes of product list

Date of first version: 4/8/2015

### Department issuing data sheet

Contact person: see section 1: Department responsible for information

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
	X