

# Material Safety Data Sheet (MSDS)

## For Reagents Containing Sodium Azide

### Section 1 Product and Company Information

<b>1.1</b>	<b>Product Catalogue Number(s)</b>	Antibodies Catalog No.: DIA-xxx Various, applicable to all.
<b>1.2</b>	<b>Company Information</b>	Dianova GmbH Warburgstr. 45 20354 Hamburg Germany Telephone: +49 (0)40 45067 0 Facsimile: +49 (0)40 45067 490
<b>1.3</b>	<b>Emergency Contact</b>	Telephone +49 (0)40 45067 0 Email: info@dianova.de

### Section 2 Composition / Information on Ingredients

CAS Number	Chemical / Preparation Name	Molecular weight	Percent	ELINCS/EINECS
26628-22-8	NaN <sub>3</sub> / Sodium azide preservative	65.01 [g/mol]	<0.1%	

**Hazard Symbols:**

**Risk Phrases:** CAUTION: AVOID CONTACT AND INHALATION.

### Section 3 Hazard Identification

#### Overview

Avoid contact and inhalation

Threshold limit value (pure form): 300ug/m<sup>3</sup>

0.5 mg sodium azide/ml (0.05%) of solution or reconstituted product. According to the OSHA Hazard Communications Standard (CFR 1910.1200), if a mixture contains less than 1% of a hazardous chemical or 0.1% of a carcinogen, the mixture shall not be considered hazardous. However, precautions for handling potentially dangerous reagents should be practiced when using these products.

#### Potential Health Effects

<b>Eyes:</b>	May cause eye irritation
<b>Skin:</b>	May cause skin irritation. May be harmful if absorbed through the skin
<b>Ingestion:</b>	May be harmful if swallowed
<b>Inhalation:</b>	Material may be irritating to mucous membrane and upper respiratory tract.
<b>Chronic:</b>	Not known

## Section 4 First Aid Measures

<b>Eyes:</b>	Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Call a physician.
<b>Skin:</b>	Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
<b>Ingestion:</b>	If swallowed, wash out mouth with water provided the person is conscious. Call a physician.
<b>Inhalation:</b>	Remove to fresh air. If breathing becomes difficult, Call a physician.

### Notes to Physician

N/A

## Section 5 Fire Fighting Measures

### General Information

Wear self-contained breathing apparatus and protective clothing. Prevent contact with skin and eyes. Emits toxic fumes under fire conditions/heated.

### Extinguishing Media

Water spray. Carbon dioxide, dry chemical powder or appropriate foam.

## Section 6 Accidental Release Measures

### General Information

### Spills / Leaks

Wear respirator, chemical resistant gloves, chemical safety goggles, and rubber boots. Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after pickup is complete.

## Section 7 Handling and Storage

### Handling

Avoid contact with skin and eyes.

### Storage

Store between 2 - 8 °C. Can be stored long term at -20 °C to -80 °C.

## Section 8 Exposure Controls / Personal Protection

### Exposure Limits

Chemical Name	ORL-MUS LD50	ORL-WMN LDLO	ORL-MAN LDLO	SKN-RAT LD50
Sodium Azide	27 mg kg <sup>-1</sup>	14 mg kg <sup>-1</sup>	29 mg kg <sup>-1</sup>	50 mg kg <sup>-1</sup>

### Personal Protective Equipment

<b>Eyes:</b>	Wear chemical safety goggles.
<b>Skin:</b>	Wear chemical resistant gloves.
<b>Clothing:</b>	Will stain clothing; wear disposable/washable laboratory garments. Rubber boots.
<b>Respirators:</b>	Wear appropriate NIOSH/MSHA approved respirator.

## Section 9 Physical and Chemical Properties

<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Colourless/Pale Yellow
<b>Odour:</b>	None
<b>pH:</b>	Varies from pH7 to pH8.
<b>Vapour Pressure:</b>	N/A
<b>Vapour Density:</b>	N/A
<b>Evaporation Rate:</b>	As water
<b>Viscosity:</b>	As water
<b>Boiling Point:</b>	As water
<b>Freezing / Melting Point:</b>	As water
<b>Auto-ignition Temperature:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Decomposition Temperature:</b>	N/A
<b>NFPA Rating:</b>	N/A
<b>Explosion Limits:</b>	Upper: N/A
	Lower: N/A
<b>Solubility:</b>	Aqueous solution
<b>Specific Gravity / Density:</b>	N/A
<b>Molecular Formula:</b>	N/A
<b>Molecular Weight:</b>	N/A

## Section 10 Stability and Reactivity

<b>Chemical Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Heat over 50 °C
<b>Incompatibilities with other Materials:</b>	Contact with salts will cause precipitation of colloid
<b>Hazardous Decomposition Products:</b>	Not known
<b>Hazardous Polymerisation:</b>	Will not occur

## Section 11 Toxicological Information

<b>RTECS Number:</b>	Not known
<b>CAS Number:</b>	26628-22-8
<b>LD50 / LC50:</b>	LD50, Oral, Rat: (Sodium Azide) 27 mg/kg; LD50, Dermal, Rabbit: 20 mg/kg
<b>Carcinogenicity:</b>	Not known
<b>IARC:</b>	Not known
<b>Epidemiology:</b>	Not known
<b>Teratogenicity</b>	Not known
<b>Reproductive Effects:</b>	Not known
<b>Neurotoxicity:</b>	Not known
<b>Mutagenicity:</b>	Not known
<b>Other Studies:</b>	Not known

## Section 12 Ecological Information

<b>Ecological Hazards:</b>	No data available
----------------------------	-------------------

## Section 13 Disposal Considerations

<b>Waste Disposal - General Considerations</b>	Sodium azide is a hazardous chemical. Disposal of even small amounts of these chemicals may be subject to federal, state, or local laws.
<b>Waste Disposal - Material:</b>	Contact a licensed waste disposal service to dispose of this material.
<b>Waste Disposal - Empty Packaging:</b>	Contact a licensed waste disposal service to dispose of this packaging.

## Section 14 Transport Information

<b>Shipping Name:</b>	Antibody
<b>RID / ADR / DOT 49 CFR:</b>	Not known
<b>ICAO / IATA:</b>	Not known
<b>IMDG Code:</b>	Not known
<b>UN Number:</b>	Not known
<b>MFAG:</b>	Not known
<b>EMS:</b>	Not known
<b>Notes:</b>	Ship at ambient temperature. Non-hazardous for air, sea or road freight.

## Section 15 Regulatory Information

### European / International Regulations

<b>Hazard Symbols:</b>	Not known
<b>Risk Phrases:</b>	CAUTION: AVOID CONTACT AND INHALATION
<b>Safety Phrases:</b>	S36 and S37 (suitable protective clothing/ gloves)

### US Federal Regulations

<b>TSCA:</b>	Not known
<b>SARA:</b>	Not known
<b>OSHA:</b>	Not known

## Section 16 Other Information

<b>MSDS Creation/Revision Date:</b>	23APR2019
<b>Notes:</b>	Customers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall dianova be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if dianova has been advised of the possibility of such damages.