

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 21-Jun-2024 Revision Number 3

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name ANTIBODY PREPARATION - #20505

Safety data sheet number 20505

Nanoforms Not applicable

Pure substance/mixture Mixture

Contains Sodium azide

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

**Recommended use** For research use only

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Corporate Headquarters Manufacturer Legal Entity / Contact Address

Bio-Rad Laboratories Inc.

Bio-Rad

The Junction

The Junction

Station Road

Hercules, CA 94547

Langford Business Park

Watford, WD17 1ET

USA Kidlington UK

Oxford

OX5 1GE Bio-Rad Laboratories Pvt. Ltd.

United Kingdom Bio-Rad House

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antibody\_safetydatasheets@bio-rad.com 122005 Haryana India

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43 Bolton Road

Parkwood, Johannesburg 2192

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For further information, please contact

**Technical Service** 00800 00246 723

Ireland: Techsupport.UK@bio-rad.com India: support.india@bio-rad.com

South Africa: lsg\_techsupport\_eemea@bio-rad.com

1.4. Emergency telephone number

24 Hour Emergency Phone Number CHEMTREC Ireland: 353-19014670

CHEMTREC India: 000-800-100-7141

EGHS / EN Page 1/12

CHEMTREC South Africa: 0-800-983-611

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

Classification according to

Regulation (EC) No. 1272/2008 [CLP]

| Acute toxicity - Oral    | Category 4 - (H302) |
|--------------------------|---------------------|
| Acute toxicity - Dermal  | Category 3 - (H311) |
| Chronic aquatic toxicity | Category 2 - (H411) |

### 2.2. Label elements

Contains Sodium azide



Signal word Danger

### **Hazard statements**

H302 - Harmful if swallowed

H311 - Toxic in contact with skin

H411 - Toxic to aquatic life with long lasting effects

EUH032 - Contact with acids liberates very toxic gas

### Precautionary Statements - EU (§28, 1272/2008)

P264 - Wash face, hands and any exposed skin thoroughly after handling

P273 - Avoid release to the environment

P391 - Collect spillage

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

P280 - Wear protective gloves/protective clothing/eye protection/face protection

## 2.3. Other hazards

# **SECTION 3: Composition/information on ingredients**

### 3.1 Substances

Not applicable

## 3.2 Mixtures

| Chemical name | Weight-% | REACH registration | ,           | Classification according |               | M-Factor | M-Factor    |
|---------------|----------|--------------------|-------------|--------------------------|---------------|----------|-------------|
|               |          | number             | Index No)   | to Regulation (EC) No.   | concentration |          | (long-term) |
|               |          |                    |             | 1272/2008 [CLP]          | limit (SCL)   |          |             |
| Sodium azide  | 2.5 - 5  | Not available      | 247-852-1   | Acute Tox. 2 (H300)      | -             | -        | -           |
| 26628-22-8    |          |                    | (011-004-00 | Acute Tox. 1 (H310)      |               |          |             |
|               |          |                    | -7)         | (EUH032)                 |               |          |             |
|               |          |                    |             | Aquatic Acute 1 (H400)   |               |          |             |

EGHS / EN Page 2/12

|  |  | Aquatic Chronic 1 |  |  |
|--|--|-------------------|--|--|
|  |  | (H410)            |  |  |

## Full text of H- and EUH-phrases: see section 16

### **Acute Toxicity Estimate**

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

| Chemical name              | Oral LD50 mg/kg |    | Inhalation LC50 - 4<br>hour - dust/mist - mg/L | Inhalation LC50 - 4<br>hour - vapour - mg/L | Inhalation LC50 - 4<br>hour - gas - ppm |
|----------------------------|-----------------|----|--|---|---|
| Sodium azide<br>26628-22-8 | 27              | 20 | No data available                              | No data available                           | No data available                       |

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is

required.

**Inhalation** Remove to fresh air.

Eye contact Get immediate medical attention. Rinse immediately with plenty of water, also under the

eyelids, for at least 15 minutes. Keep eye wide open while rinsing.

**Skin contact**Get immediate medical attention. Wash off immediately with soap and plenty of water while

removing all contaminated clothes and shoes.

**Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

person. Get immediate medical attention.

**Self-protection of the first aider** Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination. Wear personal protective clothing

(see section 8). Avoid direct contact with skin. Use barrier to give mouth-to-mouth

resuscitation.

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

**Symptoms** No information available.

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

**Note to doctors** Treat symptomatically.

## **SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

EGHS / EN Page 3/12

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

# SECTION 6: Accidental release measures

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

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal

protective equipment as required. Evacuate personnel to safe areas.

**Other information** Refer to protective measures listed in Sections 7 and 8.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. Ensure adequate ventilation. Take off contaminated clothing and

wash it before reuse.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do

not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling

the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach

of children. Store locked up. Store according to product and label instructions.

EGHS / EN Page 4/12

## 7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

# **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

### **Exposure Limits**

| Chemical name | Euro                       | pean Union               | Austria                        | Belgium                         | Bu             | Igaria                | Croatia                     |
|---------------|----------------------------|--------------------------|--------------------------------|---------------------------------|----------------|-----------------------|-----------------------------|
| Sodium azide  |                            | : 0.1 mg/m <sup>3</sup>  | TWA: 0.1 mg/m <sup>3</sup>     | TWA: 0.1 mg/m <sup>3</sup>      |                | 0.3 mg/m <sup>3</sup> | TWA: 0.1 mg/m <sup>3</sup>  |
| 26628-22-8    | STEL                       | _: 0.3 mg/m³             | STEL 0.3 mg/m <sup>3</sup>     | D*                              |                | 0.1 mg/m <sup>3</sup> | STEL: 0.3 mg/m <sup>3</sup> |
|               |                            | *                        | H*                             |                                 |                | K*                    | *                           |
| Chemical name |                            | Cyprus                   | Czech Republic                 | Denmark                         | Es             | stonia                | Finland                     |
| Sodium azide  |                            | *                        | TWA: 0.1 mg/m <sup>3</sup>     | TWA: 0.1 mg/m <sup>3</sup>      |                | S+                    | TWA: 0.1 mg/m <sup>3</sup>  |
| 26628-22-8    |                            | _: 0.3 mg/m³             | Ceiling: 0.3 mg/m <sup>3</sup> | H*                              |                | 0.1 mg/m <sup>3</sup> | STEL: 0.3 mg/m <sup>3</sup> |
|               | TWA                        | : 0.1 mg/m <sup>3</sup>  | D*                             | STEL: 0.3 mg/m <sup>3</sup>     | STEL:          | 0.3 mg/m <sup>3</sup> | iho*                        |
|               |                            | _                        |                                |                                 | -              | A*                    |                             |
| Chemical name |                            | France                   | Germany TRGS                   | Germany DFG                     | _              | reece                 | Hungary                     |
| Sodium azide  |                            | : 0.1 mg/m <sup>3</sup>  | TWA: 0.2 mg/m <sup>3</sup>     | TWA: 0.2 mg/m <sup>3</sup>      |                | 0.1 ppm               | TWA: 0.1 mg/m <sup>3</sup>  |
| 26628-22-8    | STEL                       | _: 0.3 mg/m³             |                                | Peak: 0.4 mg/m <sup>3</sup>     |                | 0.3 mg/m <sup>3</sup> | STEL: 0.3 mg/m <sup>3</sup> |
|               |                            | ^                        |                                |                                 |                | : 0.1 ppm             |                             |
|               |                            |                          | L L MDI DO                     | I AIDH                          |                | 0.3 mg/m <sup>3</sup> | 124                         |
| Chemical name |                            | Ireland                  | Italy MDLPS                    | Italy AIDII                     |                | atvia                 | Lithuania                   |
| Sodium azide  |                            | : 0.1 mg/m <sup>3</sup>  | TWA: 0.1 mg/m <sup>3</sup>     | Ceiling: 0.29 mg/m <sup>3</sup> |                | 0.1 mg/m <sup>3</sup> | O*                          |
| 26628-22-8    | STEL                       | _: 0.3 mg/m <sup>3</sup> | STEL: 0.3 mg/m <sup>3</sup>    | Ceiling: 0.11 ppm               |                | 0.3 mg/m <sup>3</sup> | TWA: 0.1 mg/m <sup>3</sup>  |
|               |                            | Sk*                      | cute*                          |                                 | •              | \da*                  | STEL: 0.3 mg/m <sup>3</sup> |
| Chemical name |                            | xembourg                 | Malta                          | Netherlands                     |                | orway                 | Poland                      |
| Sodium azide  |                            | Peau*                    | skin*                          | TWA: 0.1 mg/m <sup>3</sup>      |                | 0.1 mg/m <sup>3</sup> | STEL: 0.3 mg/m <sup>3</sup> |
| 26628-22-8    |                            | _: 0.3 mg/m³             | STEL: 0.3 mg/m <sup>3</sup>    | STEL: 0.3 mg/m <sup>3</sup>     | STEL:          | 0.3 mg/m <sup>3</sup> | TWA: 0.1 mg/m <sup>3</sup>  |
|               |                            | : 0.1 mg/m <sup>3</sup>  | TWA: 0.1 mg/m <sup>3</sup>     | H*                              |                |                       | skóra*                      |
| Chemical name |                            | Portugal                 | Romania                        | Slovakia                        |                | ovenia                | Spain                       |
| Sodium azide  |                            | : 0.1 mg/m <sup>3</sup>  | TWA: 0.1 mg/m <sup>3</sup>     | TWA: 0.1 mg/m <sup>3</sup>      |                | 0.1 mg/m <sup>3</sup> | TWA: 0.1 mg/m <sup>3</sup>  |
| 26628-22-8    |                            | _: 0.3 mg/m³             | STEL: 0.3 mg/m <sup>3</sup>    | K*                              | STEL:          | 0.3 mg/m <sup>3</sup> | STEL: 0.3 mg/m <sup>3</sup> |
|               |                            | g: 0.29 mg/m³            | P*                             | Ceiling: 0.3 mg/m <sup>3</sup>  |                | K*                    | vía dérmica*                |
|               |                            | ig: 0.11 ppm             |                                |                                 |                |                       |                             |
|               | C                          | utânea*                  |                                |                                 |                |                       |                             |
| Chemical name |                            |                          | veden                          | Switzerland                     |                |                       | ted Kingdom                 |
| Sodium azide  |                            |                          | 0.1 mg/m <sup>3</sup>          | TWA: 0.2 mg/m                   |                |                       | A: 0.1 mg/m <sup>3</sup>    |
| 26628-22-8    | 26628-22-8 Bindande KGV: ( |                          | .GV: 0.3 mg/m <sup>3</sup>     | STEL: 0.4 mg/m                  | ) <sup>3</sup> | STE                   | EL: 0.3 mg/m <sup>3</sup>   |
|               |                            |                          |                                |                                 |                |                       | Sk*                         |

## **Biological occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)
Predicted No Effect Concentration
(PNEC)

No information available.

8.2. Exposure controls

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

EGHS / EN Page 5/12

Hand protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

No protective equipment is needed under normal use conditions. If exposure limits are Respiratory protection

exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do

> not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling

the product.

**Environmental exposure controls** No information available.

## **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Physical state Solid

**Appearance** powder or cake, lyophilised

Colour Varies

Odour No information available. No information available **Odour threshold** 

Property Values Remarks • Method

Melting point / freezing point No data available None known Initial boiling point and boiling rangeNo data available None known **Flammability** No data available None known Flammability Limit in Air None known

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

No data available Flash point None known **Autoignition temperature** No data available None known **Decomposition temperature** None known

No data available None known No data available pH (as aqueous solution) No information available

No data available Kinematic viscosity None known Dynamic viscosity No data available None known

Water solubility Soluble in water

Solubility(ies) No data available None known Partition coefficient No data available None known Vapour pressure No data available None known Relative density No data available None known

**Bulk density** No data available **Liquid Density** No data available

No data available Relative vapour density None known

Particle characteristics

No information available **Particle Size Particle Size Distribution** No information available

### 9.2. Other information

## 9.2.1. Information with regards to physical hazard classes

Not applicable

## 9.2.2. Other safety characteristics

No information available

EGHS / EN Page 6/12

## **SECTION 10: Stability and reactivity**

10.1. Reactivity

**Reactivity** No information available.

10.2. Chemical stability

**Stability** Stable under normal conditions.

**Explosion data** 

Sensitivity to mechanical impact None. Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Avoid contact with metals. This product contains Sodium azide. Sodium azide can react with

Copper, Brass, Lead, and solder in piping systems to form explosive compounds and toxic

gases.

10.4. Conditions to avoid

**Conditions to avoid**None known based on information supplied.

10.5. Incompatible materials

Incompatible materials Metals.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

## **SECTION 11: Toxicological information**

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

**Product Information** 

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available. Toxic in contact with skin

(based on components).

Ingestion Specific test data for the substance or mixture is not available. Harmful if swallowed (based

on components).

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

Acute toxicity

**Numerical measures of toxicity** 

No information available

The following values are calculated based on chapter 3.1 of the GHS document

EGHS / EN Page 7/12

 ATEmix (oral)
 944.10 mg/kg

 ATEmix (dermal)
 699.30 mg/kg

Oral LD50No information availableDermal LD50No information availableInhalation LC50No information availableInhalation LC50No information available

**Component Information** 

| Chemical name | Oral LD50        | Dermal LD50         | Inhalation LC50             |
|---------------|------------------|---------------------|-----------------------------|
| Sodium azide  | = 27 mg/kg (Rat) | = 20 mg/kg (Rabbit) | 0.054 - 0.52 mg/L (Rat) 4 h |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available.

Serious eye damage/eye irritation No information available.

**Respiratory or skin sensitisation** No information available.

Germ cell mutagenicity No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure**No information available.

**Aspiration hazard** No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** Not applicable.

11.2.2. Other information

Other adverse effects No information available.

# **SECTION 12: Ecological information**

12.1. Toxicity

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

**Unknown aquatic toxicity**Contains 0 % of components with unknown hazards to the aquatic environment.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to | Crustacea |
|---------------|----------------------|------|-------------|-----------|
|               |                      |      |             |           |

EGHS / EN Page 8/12

|              |   |                       | microorganisms |   |
|--------------|---|-----------------------|----------------|---|
| Sodium azide | - | LC50: =0.8mg/L (96h,  | -              | - |
|              |   | Oncorhynchus mykiss)  |                |   |
|              |   | LC50: =0.7mg/L (96h,  |                |   |
|              |   | Lepomis macrochirus)  |                |   |
|              |   | LC50: =5.46mg/L (96h, |                |   |
|              |   | Pimephales promelas)  |                |   |

### 12.2. Persistence and degradability

No information available. Persistence and degradability

12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

12.4. Mobility in soil

Mobility in soil No information available.

### 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

| Chemical name | PBT and vPvB assessment         |  |  |
|---------------|---------------------------------|--|--|
| Sodium azide  | The substance is not PBT / vPvB |  |  |

### 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** Not applicable.

### 12.7. Other adverse effects

No information available.

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Flush pipes with water frequently if discarding solutions

containing Sodium azide into metal piping systems.

Contaminated packaging Do not reuse empty containers.

## **SECTION 14: Transport information**

### IATA

14.1 UN number or ID number Not regulated Not regulated 14.2 UN proper shipping name 14.3 Transport hazard class(es) Not regulated Not regulated 14.4 Packing group 14.5 Environmental hazards Not applicable

14.6 Special precautions for user

None

**Special Provisions** 

<u>IMDG</u>

EGHS / EN Page 9/12 14.1 UN number or ID number Not regulated 14.2 UN proper shipping name Not regulated 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated Not applicable 14.5 Environmental hazards 14.6 Special precautions for user **Special Provisions** None 14.7 Maritime transport in bulk No information available according to IMO instruments RID

14.1 UN number or ID number
14.2 UN proper shipping name
14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environmental hazards
Not regulated
Not regulated
Not regulated
Not applicable

14.6 Special precautions for user

Special Provisions None

<u>ADR</u>

14.1UN number or ID numberNot regulated14.2UN proper shipping nameNot regulated14.3Transport hazard class(es)Not regulated14.4Packing groupNot regulated14.5Environmental hazardsNot applicable

14.6 Special precautions for user

Special Provisions None

## **SECTION 15: Regulatory information**

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

### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

### Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

### **Persistent Organic Pollutants**

Not applicable

### Dangerous substance category per Seveso Directive (2012/18/EU)

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

## Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

<u>International Inventories</u> Contact supplier for inventory compliance status

EGHS / EN Page 10/12

## 15.2. Chemical safety assessment

Chemical Safety Report No information available

## **SECTION 16: Other information**

## Key or legend to abbreviations and acronyms used in the safety data sheet

### Full text of H-Statements referred to under section 3

EUH032 - Contact with acids liberates very toxic gas

H300 - Fatal if swallowed

H310 - Fatal in contact with skin

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

#### Legend

SVHC: Substances of Very High Concern for Authorisation:

### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value Sk\* Skin designation

| Classification procedure  |                    |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity   | Calculation method |
| Acute dermal toxicity   | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapour                              | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitisation                                       | Calculation method |
| Skin sensitisation  | Calculation method |
| Mutagenicity  | Calculation method |
| Carcinogenicity   | Calculation method |
| Reproductive toxicity   | Calculation method |
| STOT - single exposure  | Calculation method |
| STOT - repeated exposure  | Calculation method |
| Acute aquatic toxicity  | Calculation method |
| Chronic aquatic toxicity  | Calculation method |
| Aspiration hazard   | Calculation method |
| Ozone   | Calculation method |

## Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)

**Environmental Protection Agency** 

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

EGHS / EN Page 11/12

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

World Health Organization

**Revision Note** Significant changes throughout SDS. Review all sections.

Revision date 21-Jun-2024

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet** 

EGHS / EN Page 12/12