



A Sysmex Group Company

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and  
Regulation (EC) No. 1272/2008

Supersedes date 25-Apr-2024

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Revision Number 1.01

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

### 1.1. Product identifier

**Product Code(s)** 020020 (CytoSure LT Genomic DNA Labelling Kit - 24 reactions)  
500040 (CytoSure HT Genomic DNA Labelling Kit - 96 reactions)

**Product Name** CytoSure™ Genomic DNA Labelling Kit – Control DNA

**Synonyms** None

**Pure substance/mixture** Mixture

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

**Recommended use** Analytical reagent  
For professional use only

**Uses advised against** None known

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

| Manufacturer            | Supplier             |
|-------------------------|----------------------|
| Oxford Gene Technology  | Sysmex Europe SE     |
| Unit 5                  | Deelbøge 19D         |
| Oxford Technology Park, | 22297 Hamburg        |
| 4A Technology Drive     | Germany              |
| Kidlington,             | T: +49 (40) 527 26 0 |
| Oxfordshire             |                      |
| OX5 1GN, UK             |                      |
| +44 (0)1865 856800      |                      |

### For further information, please contact

**E-mail address** support@ogt.com

### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)1865 856800 (08.30-17.30 GMT)

**Emergency telephone - §45 - (EC)1272/2008**

**Europe** 112

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

### 2.2. Label elements

### 2.3. Other hazards

|                                 |                                                                            |
|---------------------------------|----------------------------------------------------------------------------|
| Other hazards                   | The product does not contain any substance(s) classified as PBT or vPvB.   |
| PBT or vPvB properties          | None known.                                                                |
| Endocrine Disruptor Information | This product does not contain any known or suspected endocrine disruptors. |

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

### 3.1. Substances

Not applicable

### 3.2. Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous to health.

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

#### **Acute Toxicity Estimate**

No information available

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

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

### 4.1. Description of first aid measures

|              |                                                                |
|--------------|----------------------------------------------------------------|
| Inhalation   | Remove person to fresh air and keep comfortable for breathing. |
| Eye contact  | Rinse thoroughly with plenty of water, also under the eyelids. |
| Skin contact | Wash with plenty of water.                                     |
| Ingestion    | Rinse mouth.                                                   |

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

|                     |             |
|---------------------|-------------|
| Symptoms            | None known. |
| Effects of Exposure | None known. |

### 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.

**Unsuitable extinguishing media** No information available.

### **5.2. Special hazards arising from the substance or mixture**

**Specific hazards arising from the chemical** None known based on information supplied.

**Hazardous combustion products** Carbon oxides.

### **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 protective equipment.

## **SECTION 6: Accidental release measures**

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

**Personal precautions** Avoid breathing vapour or mist.

**For emergency responders** Use personal protection recommended in Section 8.

### **6.2. Environmental precautions**

**Environmental precautions** Do not allow to enter into surface water or drains.

### **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** Pick up and transfer to properly labelled containers. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

**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** Wash hands thoroughly after handling. Wear personal protective equipment.

**General hygiene considerations** Wear suitable protective clothing and gloves.

### **7.2. Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Storage class (TRGS 510)** LGK 10.

### **7.3. Specific end use(s)**

**Specific use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**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) - Workers** No information available

**Derived No Effect Level (DNEL) - General Public** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2. Exposure controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

**Personal protective equipment**

**Eye/face protection** Eye protection must conform to standard EN 166.

**Hand protection** Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** Prevent product from entering drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                        |                          |
|------------------------|--------------------------|
| <b>Appearance</b>      | Clear, Colourless liquid |
| <b>Physical state</b>  | Liquid                   |
| <b>Colour</b>          | Clear, Colourless        |
| <b>Odour</b>           | Odourless                |
| <b>Odour threshold</b> | No information available |

| <u>Property</u>                                                 | <u>Values</u> | <u>Remarks • Method</u> |
|-----------------------------------------------------------------|---------------|-------------------------|
| <b>Melting point / freezing point</b>                           |               | No data available       |
| <b>Boiling point or initial boiling point and boiling range</b> | ~ 100 °C      |                         |
| <b>Flammability</b>                                             |               | No data available       |
| <b>Lower and upper explosion limit/flammability limit</b>       |               |                         |
| Lower explosion limit                                           |               | Not applicable          |
| Upper explosion limit                                           |               | Not applicable          |

|                                                   |                   |
|---------------------------------------------------|-------------------|
| Flash point                                       | No data available |
| Autoignition temperature                          | No data available |
| Decomposition temperature                         | No data available |
| SADT (°C)                                         | No data available |
| pH                                                | No data available |
| pH (as aqueous solution)                          | No data available |
| Kinematic viscosity                               | No data available |
| Dynamic viscosity                                 | No data available |
| Water solubility                                  | No data available |
| Solubility                                        | No data available |
| Partition coefficient n-octanol/water (log value) | No data available |
| Vapour pressure                                   | 23 hPa            |
| Density and/or relative density                   | No data available |
| Bulk density                                      | No data available |
| Liquid Density                                    | No data available |
| Relative vapour density                           | No data available |
| Particle characteristics                          |                   |
| Particle Size                                     | No data available |
| Particle Size Distribution                        | No data available |

**9.2. Other information**

|                  |                          |
|------------------|--------------------------|
| Molecular weight | No information available |
| VOC content      | No information available |
| Softening point  | No information available |

**9.2.1. Information with regards to physical hazard classes**

|                      |                      |
|----------------------|----------------------|
| Explosives           | Sensitivity to shock |
| Explosive properties | Not an explosive     |
| Oxidising properties | Not an oxidiser      |

**9.2.2. Other safety characteristics**

No information available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

|            |                                   |
|------------|-----------------------------------|
| Reactivity | None under normal use conditions. |
|------------|-----------------------------------|

**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 | None under normal processing. |
|------------------------------------|-------------------------------|

**10.4. Conditions to avoid**

|                     |                                           |
|---------------------|-------------------------------------------|
| Conditions to avoid | None known based on information supplied. |
|---------------------|-------------------------------------------|

**10.5. Incompatible materials**

|                        |                                           |
|------------------------|-------------------------------------------|
| Incompatible materials | None known based on information supplied. |
|------------------------|-------------------------------------------|

#### **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. |
| Ingestion    | Specific test data for the substance or mixture is not available. |

##### **Symptoms related to the physical, chemical and toxicological characteristics**

|                                |                                                                   |
|--------------------------------|-------------------------------------------------------------------|
| Symptoms                       | None known.                                                       |
| Acute toxicity                 | Based on available data, the classification criteria are not met. |
| Numerical measures of toxicity |                                                                   |

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

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| Skin corrosion/irritation         | Based on available data, the classification criteria are not met. |
| Serious eye damage/eye irritation | Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitisation | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity            | Based on available data, the classification criteria are not met. |
| Carcinogenicity                   | Based on available data, the classification criteria are not met. |
| Reproductive toxicity             | Based on available data, the classification criteria are not met. |
| STOT - single exposure            | Based on available data, the classification criteria are not met. |
| STOT - repeated exposure          | Based on available data, the classification criteria are not met. |
| Aspiration hazard                 | Based on available data, the classification criteria are not met. |

#### **11.2. Information on other hazards**

##### **11.2.1. Endocrine disrupting properties**

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Endocrine disruption for human health | Based on available data, the classification criteria are not met. |
|---------------------------------------|-------------------------------------------------------------------|

##### **11.2.2. Other information**

Other adverse effects No information available.

## SECTION 12: Ecological information

**12.1. Toxicity** The environmental impact of this product has not been fully investigated.

**12.2. Persistence and degradability** No information available.

**12.3. Bioaccumulative potential** No information available.

**12.4. Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment** No information available.

**12.6. Endocrine disrupting properties** Based on available data, the classification criteria are not met.

**12.7. Other adverse effects** No information available.

**PMT or vPvM properties** Based on available data, the classification criteria are not met.

## 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.

**Contaminated packaging** Do not reuse empty containers.

**Waste codes / waste designations according to EWC / AVV** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

## SECTION 14: Transport information

|                                          |                |
|------------------------------------------|----------------|
| <b>IATA</b>                              | Not regulated  |
| <b>14.1 UN number or ID number</b>       | Not regulated  |
| <b>14.2 UN proper shipping name</b>      | Not regulated  |
| <b>14.3 Transport hazard class(es)</b>   | Not regulated  |
| <b>14.4 Packing group</b>                | Not regulated  |
| <b>14.5 Environmental hazards</b>        | Not applicable |
| <b>14.6 Special precautions for user</b> |                |
| <b>Special Provisions</b>                | None           |

|                                                              |                          |
|--------------------------------------------------------------|--------------------------|
| <b>IMDG</b>                                                  | Not regulated            |
| 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            |
| 14.5 Environmental hazards                                   | Not applicable           |
| 14.6 Special precautions for user                            |                          |
| Special Provisions                                           | None                     |
| 14.7 Maritime transport in bulk according to IMO instruments | No information available |

|                                   |                |
|-----------------------------------|----------------|
| <b>RID</b>                        | Not regulated  |
| 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  |
| 14.5 Environmental hazards        | Not applicable |
| 14.6 Special precautions for user |                |
| Special Provisions                | None           |

|                                   |                |
|-----------------------------------|----------------|
| <b>ADR</b>                        | Not regulated  |
| 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  |
| 14.5 Environmental hazards        | Not applicable |
| 14.6 Special precautions for user |                |
| Special Provisions                | None           |

|                                   |                |
|-----------------------------------|----------------|
| <b>ADN</b>                        |                |
| 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 applicable |
| 14.5 Environmental hazard         | Not 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

#### National regulations

##### Germany

Water hazard class (WGK) slightly hazardous to water (WGK 1)

##### Chemical Prohibition Ordinance (ChemVerbotsV)

Not applicable.

TRGS 905 Not applicable

|                                                                                |                |
|--------------------------------------------------------------------------------|----------------|
| Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018 | Not applicable |
| Storage of Hazardous Material                                                  | Not applicable |
| WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20                                  | Not applicable |
| Major Accidents Ordinance SR 814.012                                           | Not applicable |



**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

**Ozone-depleting substances (ODS) regulation (EC) 2024/590**

Not applicable.

**Explosives Precursors Marketing and Use (2019/1148)**

Not applicable.

**International Inventories**

Contact supplier for inventory compliance status

**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**

List may include phrases which are not applicable to this product

|           |                                                                                                 |
|-----------|-------------------------------------------------------------------------------------------------|
| ACGIH     | American Conference of Governmental Industrial Hygienists                                       |
| AIDII     | Italian Association of Industrial Hygienists                                                    |
| ADN       | Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe) |
| ADR       | Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)             |
| AIIC      | Australian Inventory of Industrial Chemicals                                                    |
| ATE       | Acute Toxicity Estimate                                                                         |
| ASTM      | American Society for the Testing of Materials                                                   |
| bar       | Biological Reference Values for Chemical Compounds in the Work Area                             |
| BAT       | Biological tolerance values for occupational exposure                                           |
| BEL       | Biological exposure limits                                                                      |
| bw        | Body weight                                                                                     |
| Ceiling   | Maximum limit value                                                                             |
| CLP       | Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008                |
| CMR       | Carcinogen, Mutagen or Reproductive Toxicant                                                    |
| DFG       | German Research Foundation                                                                      |
| DOT       | Department of Transportation (United States)                                                    |
| DSL       | Domestic Substances List (Canada)                                                               |
| ECHA      | European Chemicals Agency                                                                       |
| EC Number | European Community number                                                                       |

|         |                                                                                                         |
|---------|---------------------------------------------------------------------------------------------------------|
| EmS     | Emergency Schedule                                                                                      |
| ENCS    | Existing and New Chemical Substances (Japan)                                                            |
| EPA     | U.S. Environmental Protection Agency                                                                    |
| EWC     | European Waste Codes                                                                                    |
| GHS     | Globally Harmonized System                                                                              |
| IARC    | International Agency for Research on Cancer                                                             |
| IATA    | International Air Transport Association                                                                 |
| IBC     | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk     |
| ICAO    | International Civil Aviation Organisation                                                               |
| IECSC   | Inventory of Existing Chemical Substances in China                                                      |
| IMDG    | International Maritime Dangerous Goods                                                                  |
| IMO     | International Maritime Organization                                                                     |
| ISO     | International Organisation for Standardisation                                                          |
| KECI    | Korean Existing Chemicals Inventory                                                                     |
| LC50    | Lethal Concentration to 50% of a test population                                                        |
| LD50    | Lethal Dose to 50% of a test population (Median Lethal Dose)                                            |
| MAK     | Maximum Concentration at the Workplace                                                                  |
| MAL     | Measuring Technical Hygienic Air Needs                                                                  |
| MARPOL  | International Convention for the Prevention of Pollution from Ships                                     |
| MDLPS   | Ministry of Labour and Social Policy                                                                    |
| n.o.s.  | Not Otherwise Specified                                                                                 |
| NOAEC   | No Observed Adverse Effect Concentration                                                                |
| NOAEL   | No Observed Adverse Effect Level                                                                        |
| NOELR   | No Observable Effect Loading Rate                                                                       |
| NZIoC   | New Zealand Inventory of Chemicals                                                                      |
| OECD    | Organization for Economic Cooperation and Development                                                   |
| OEL     | Occupational exposure limits                                                                            |
| PBT     | Persistent, Bioaccumulative and Toxic substance                                                         |
| PICCS   | Philippines Inventory of Chemicals and Chemical Substances                                              |
| PMT     | Persistent, Mobile and Toxic                                                                            |
| PPE     | Personal protective equipment                                                                           |
| QSAR    | Quantitative Structure Activity Relationship                                                            |
| REACH   | Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006) |
| RID     | Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)                     |
| SADT    | Self-Accelerating Decomposition Temperature                                                             |
| SAR     | Structure-activity relationship                                                                         |
| SDS     | Safety Data Sheet                                                                                       |
| SL      | Surface Limit                                                                                           |
| STEL    | Short Term Exposure Limit                                                                               |
| STOT RE | Specific target organ toxicity - Repeated exposure                                                      |
| STOT SE | Specific target organ toxicity - Single exposure                                                        |
| SVHC    | Substance of very high concern                                                                          |
| TCSI    | Taiwan Chemical Substance Inventory                                                                     |
| TDG     | Transport of Dangerous Goods (Canada)                                                                   |
| TRGS    | Technical Rule for Hazardous Substances                                                                 |
| TSCA    | Toxic Substances Control Act (United States)                                                            |
| TWA     | Time-Weighted Average                                                                                   |
| UN      | United Nations                                                                                          |
| VOC     | Volatile organic compounds                                                                              |
| vPvB    | Very Persistent and Very Bioaccumulative                                                                |
| vPvM    | Very Persistent and Very Mobile                                                                         |
| As      | Allergenic substance                                                                                    |
| C       | Carcinogen                                                                                              |
| DS      | Dermal Sensitizer                                                                                       |

|     |                                                       |
|-----|-------------------------------------------------------|
| Ot  | Ototoxicant                                           |
| pOt | Ototoxicant - potential to cause hearing disorders    |
| PS  | Photosensitiser                                       |
| RS  | Respiratory Sensitiser                                |
| S   | Sensitiser                                            |
| poS | Sensitizer - capable of causing occupational asthma   |
| Sa  | Simple asphyxiant                                     |
| Sd  | Skin designation                                      |
| pSd | Skin designation - potential for cutaneous absorption |
| Sdv | Skin designation - vacated                            |
| Sk  | Skin notation                                         |
| dSk | Skin notation - danger of cutaneous absorption        |
| pSk | Skin notation - potential for cutaneous absorption    |

| 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

U.S. 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)  
 U.S. Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AELG(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)  
 Japan GHS Classification  
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 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)  
 International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications  
 International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program  
 International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set

United Nations World Health Organization (WHO)

|                        |                          |
|------------------------|--------------------------|
| <b>Issuing Date</b>    | 25-Apr-2024              |
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| <b>Revision Note</b>   | SDS sections updated: 1. |

**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**