



SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 Version 8.4 Revision Date 05.08.2024 Print Date 06.01.2025 GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

### **SECTION 1:** Identification of the substance/mixture and of the company/undertaking **1.1** Product identifiers

Product name Sulfite Test Method: colorimetric with test strips 10 - 40 - 80 - 180 - 400 mg/l SO<sub>3</sub><sup>2-</sup> MQuant®

Product Number Catalogue No. Brand REACH No.	<ul> <li>1.10013</li> <li>110013</li> <li>Millipore</li> <li>This product is a mixture. REACH Registration Number see</li> </ul>
REACH NO.	section 3.

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

Identified uses : Laboratory chemicals, Manufacture of substances

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

Company : Merck Life Science S.A.S 80 Rue de Luzais F-38297 SAINT QUENTIN FALLAVIER CEDEX

### **1.4 Emergency telephone**

Emergency Phone #	:	+33 (0)9 75 18 14 07 (CHEMTREC)
		+33 (0)1 45 42 59 59 (I.N.R.S.)

### **SECTION 2: Hazards identification**

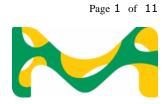
2.1	Classification of the substance or	mixture
	Long-term (chronic) aquatic	H412: Harmful to aquatic life with long
	hazard, (Category 3)	lasting effects.

### 2.2 Label elements

# Labelling according Regulation (EC) No 1272/2008<br/>nonePictogramnoneSignal WordnoneHazard Statements<br/>H412Harmful to aquatic life with long lasting effects.Precautionary Statements<br/>P273Avoid release to the environment.

Millipore- 1.10013

The life science business of Merck operates as MilliporeSigma in the US and Canada



Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard	none
Statements	

Reduced Labeling (<= 1 Pictogram	.25 ml) none
Signal Word	none
Hazard Statements H412	Harmful to aquatic life with long lasting effects.
Precautionary Statements	none
Supplemental Hazard Statements	none

### 2.3 Other hazards

P501

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### Ecological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Toxicological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Component		Classification	Concentration
Zinc sulphate			
CAS-No. EC-No. Index-No. Registration number	7733-02-0 231-793-3 030-006-00-9 01-2119474684-27- XXXX	Acute Tox. 4; Eye Dam. 1; Aquatic Acute 1; Aquatic Chronic 1; H302, H318, H400, H410 M-Factor - Aquatic Acute: 1 M-Factor - Aquatic Chronic: 1	>= 0,25 - < 1 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

### SECTION 4: First aid measures

### 4.1 Description of first-aid measures

### If inhaled

After inhalation: fresh air.

Millipore- 1.10013

The life science business of Merck operates as MilliporeSigma in the US and Canada



Page 2 of 11

### In case of skin contact

After skin contact: wash off with plenty of water. Remove contaminated clothing.

### In case of eye contact

After eye contact: rinse out with plenty of water.

### If swallowed

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed** No data available

### **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

### Suitable extinguishing media

Water Carbon dioxide (CO2) Foam Dry powder

### Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

**5.2** Special hazards arising from the substance or mixture Nature of decomposition products not known. Combustible.

combustiblei

**5.3** Advice for firefighters In the event of fire, wear self-contained breathing apparatus.

### 5.4 Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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

- **6.1 Personal precautions, protective equipment and emergency procedures** Advice for non-emergency personnel: Evacuate the danger area, observe emergency procedures, consult an expert.Advice for emergency responders: For personal protection see section 8.
- **6.2 Environmental precautions** Do not let product enter drains.
- **6.3 Methods and materials for containment and cleaning up** Collect. Dispose of properly.
- **6.4** Reference to other sections For disposal see section 13.

### SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

### **Advice on safe handling** Observe label precautions.

Millipore- 1.10013

The life science business of Merck operates as MilliporeSigma in the US and Canada

Page 3 of 11



### Hygiene measures

Change contaminated clothing. Wash hands after working with substance. For precautions see section 2.2.

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

Storage conditions Tightly closed. Dry.

Recommended storage temperature see product label.

### Storage class

Storage class (TRGS 510): 11: Combustible Solids

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

### SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Ingredients with workplace control parameters

8.2 **Exposure controls** 

### Personal protective equipment

### Eye/face protection

Safety glasses

### Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Full contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested: KCL 741 Dermatril® L

Splash contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested: KCL 741 Dermatril® L

### **Respiratory protection** not required

**Control of environmental exposure** Do not let product enter drains.

Millipore- 1.10013

Canada

Page 4 of 11





### SECTION 9: Physical and chemical properties 9.1 Information on basic physical and chemical properties

TUL	ormation on basic pr	iysical and chemical properties
a)	Physical state	solid
b)	Color	No data available
c)	Odor	No data available
d)	Melting point/freezing point	No data available
e)	Initial boiling point and boiling range	No data available
f)	Flammability (solid, gas)	No data available
g)	Upper/lower flammability or explosive limits	No data available
h)	Flash point	No data available
i)	Autoignition temperature	No data available
j)	Decomposition temperature	No data available
k)	рН	No data available
I)	Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
m)	Water solubility	No data available
n)	Partition coefficient: n-octanol/water	No data available
o)	Vapor pressure	No data available
p)	Density	No data available
	Relative density	No data available
q)	Relative vapor density	No data available
r)	Particle characteristics	No data available

- s) Explosive properties Not classified as explosive.
- t) Oxidizing properties none
- 9.2 Other safety information No data available

### SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

Millipore- 1.10013

The life science business of Merck operates as MilliporeSigma in the US and Canada

Page 5 of 11



- **10.3 Possibility of hazardous reactions** No data available
- **10.4 Conditions to avoid** No data available
- **10.5 Incompatible materials** No data available
- **10.6 Hazardous decomposition products** In the event of fire: see section 5

### SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Mixture

### Acute toxicity Oral: No data available Inhalation: No data available Dermal: No data available

**Skin corrosion/irritation** No data available

Serious eye damage/eye irritation No data available

**Respiratory or skin sensitization** No data available

Germ cell mutagenicity No data available

Carcinogenicity No data available

**Reproductive toxicity** No data available

### Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure No data available

**Aspiration hazard** No data available

### **11.2 Additional Information**

### **Endocrine disrupting properties**

### Product:

Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Millipore- 1.10013



Page 6 of 11

The life science business of Merck operates as MilliporeSigma in the US and Canada

### Components:

### Zinc sulphate:

Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Handle in accordance with good industrial hygiene and safety practice.

### Components

### Zinc sulphate

### **Acute toxicity**

LD50 Oral - Mouse - male - 926 mg/kg (OECD Test Guideline 401) Inhalation: No data available LD50 Dermal - Rat - male and female - > 2.000 mg/kg (OECD Test Guideline 402)

### Skin corrosion/irritation

Skin - Rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404)

### Serious eye damage/eye irritation

Eyes - Rabbit Result: Causes serious eye damage. (OECD Test Guideline 405)

### Respiratory or skin sensitization

Local lymph node assay (LLNA) - Mouse Result: negative Remarks: (ECHA)

### Germ cell mutagenicity

Test Type: Ames test Test system: Salmonella typhimurium Result: negative Remarks: (ECHA) Species: Mouse - male and female - Red blood cells (erythrocytes) Result: negative Remarks: (ECHA)

### Carcinogenicity

No data available

### **Reproductive toxicity**

No data available

### Specific target organ toxicity - single exposure No data available

Millipore- 1.10013

The life science business of Merck operates as MilliporeSigma in the US and Canada



Page 7 of 11

### Specific target organ toxicity - repeated exposure

No data available

### Aspiration hazard

No data available

### **SECTION 12: Ecological information**

### **12.1 Toxicity**

Mixture No data available

- 12.2 Persistence and degradability No data available
- **12.3 Bioaccumulative potential** No data available
- **12.4 Mobility in soil** No data available

### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Endocrine disrupting properties

### Product: Assessment

considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commissio Regulation (EU) 2018/605 at levels of 0.1% or high
--

### Components:

### Zinc sulphate:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **12.7 Other adverse effects**

No data available

### Components

### Zinc sulphate

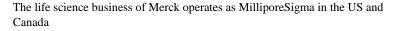
Toxicity to fish

static test LC50 - Pimephales promelas (fathead minnow) -0,330 mg/l - 96 h Remarks: (ECHA)

Toxicity to daphnia	static test EC50 - Daphnia magna (Water flea) - 1,4 mg/l - 48
and other aquatic	h
invertebrates	(OECD Test Guideline 202)

Millipore- 1.10013

Page 8 of 11





Toxicity to algae	EC50 - Chlorella vulgaris (Fresh water algae) - 64,8 mg/l - 72 h Remarks: (IUCLID)
Toxicity to bacteria	static test EC50 - activated sludge - 5,2 mg/l - 3 h (OECD Test Guideline 209)
Toxicity to fish(Chronic toxicity)	flow-through test NOEC - Salmo trutta - 0,056 mg/l  - 116 d (OECD Test Guideline 210)
Toxicity to daphnia and other aquatic invertebrates(Chronic toxicity)	semi-static test NOEC - Shrimp - 0,0318 mg/l - 7 d (US-EPA)

### SECTION 13: Disposal considerations

### **13.1 Waste treatment methods**

### Product

See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

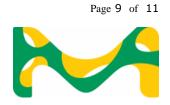
SECTION 14: T	ransport informat	ion	
14.1 UN number ADR/RID:		IMDG: -	IATA: -
ADR/RID: IMDG:	r shipping name Not dangerous goo Not dangerous goo Not dangerous goo	ds	
14.3 Transport ADR/RID:	: hazard class(es) -	IMDG: -	IATA: -
14.4 Packaging ADR/RID:		IMDG: -	IATA: -
14.5 Environm ADR/RID:		IMDG Marine pollutant: no	IATA: no
No data av Further in	formation	<b>r</b> the meaning of transport regul	ations.

### SECTION 15: Regulatory information

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

Millipore- 1.10013

The life science business of Merck operates as MilliporeSigma in the US and Canada



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

### Authorisations and/or restrictions on use

### **15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

### **SECTION 16: Other information**

### **Full text of H-Statements**

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM -American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS -Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. -Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS -Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Classification of the mixture

Aquatic Chronic3

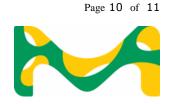
### **Classification procedure:**

Calculation method

Millipore- 1.10013

The life science business of Merck operates as MilliporeSigma in the US and Canada

H412



The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact mlsbranding@sial.com.

Millipore- 1.10013

The life science business of Merck operates as MilliporeSigma in the US and Canada



Page 11 of 11