

SAFETY DATA SHEET

CLEVIOS PH 1000

1KG(P1,0C)

3130

Version
9.3

Revision Date:
2025/12/18

Date of last issue: 2024/11/27
Date of first issue: 2016/01/06

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CLEVIOS PH 1000 1KG(P1,0C)
Product code : 81076212
Other means of identification : None

Recommended use of the chemical and restrictions on use

Recommended use : Industrial use
Coatings

Manufacturer or supplier's details

Company : Heraeus Epurio GmbH
Address : Chempark Leverkusen - Building B202
Leverkusen 51368
Telephone : +496181350
Emergency telephone number : +49 6132-84463
International Emergency Number
This telephone number is available 24 hours per day, 7 days
per week.
E-mail address : sds@heraeus.com
(Heraeus Business Solutions GmbH: EHS Chemical Safety)

2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

SAFETY DATA SHEET

CLEVIOS PH 1000

1KG(P1,0C)

3130

Version
9.3

Revision Date:
2025/12/18

Date of last issue: 2024/11/27
Date of first issue: 2016/01/06

Substance / Mixture : Mixture
Chemical nature : organic

Components

Hazardous ingredients	CAS-No.	Concentration (% w/w)
Benzenesulfonic acid, ethenyl-, homopolymer, compd. with 2,3-dihydrothieno[3,4-b]-1,4-dioxin homopolymer	155090-83-8	≥ 1 -< 3

4. FIRST AID MEASURES

General advice : First aider needs to protect himself.
Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.

First aid measures for different exposure routes

If inhaled : Move to fresh air.
In case of skin contact : Take off all contaminated clothing immediately.
Wash off with soap and plenty of water.
In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Keep eye wide open while rinsing.
Protect unharmed eye.
Call a physician immediately.
If swallowed : Immediately give large quantities of water to drink.
Do NOT induce vomiting.
Most important symptoms and effects, both acute and delayed : None known.
Notes to physician : Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards during fire-fighting : Exposure to decomposition products may be a hazard to health.
Hazardous combustion products : Carbon oxides
Sulphur oxides
Specific extinguishing methods : Use a water spray to cool fully closed containers.
Prevent fire extinguishing water from contaminating surface water or the ground water system.

SAFETY DATA SHEET

CLEVIOS PH 1000

1KG(P1,0C)

3130

Version
9.3

Revision Date:
2025/12/18

Date of last issue: 2024/11/27
Date of first issue: 2016/01/06

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Follow safe handling advice and personal protective equipment recommendations.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.
Do not let product enter drains.

Methods and materials for containment and cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Sweep up or vacuum up spillage and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Wear personal protective equipment.
Avoid inhalation, ingestion and contact with skin and eyes.
Smoking, eating and drinking should be prohibited in the application area.

Storage

Conditions for safe storage : Keep tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Biological occupational exposure limits

Contains no substances with biological exposure indices.

Engineering measures : Provide sufficient air exchange and/or exhaust in work rooms.

SAFETY DATA SHEET

CLEVIOS PH 1000

1KG(P1,0C)

3130

Version
9.3

Revision Date:
2025/12/18

Date of last issue: 2024/11/27
Date of first issue: 2016/01/06

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : Before removing gloves clean them with soap and water. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use.

Eye protection : Safety glasses with side-shields

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Keep away from food and drink.
Wash hands before breaks and at the end of workday.
Keep working clothes separately.
Remove and wash contaminated clothing and gloves, including the inside, before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : blue

Odour : odourless

Odour Threshold : No data available

pH : 1.5 - 2.5 (25 °C)

Melting point/ range : No data available

Boiling point/boiling range : 100 °C (1,013 hPa)

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : Not applicable

SAFETY DATA SHEET

CLEVIOS PH 1000

1KG(P1,0C)

3130

Version
9.3

Revision Date:
2025/12/18

Date of last issue: 2024/11/27
Date of first issue: 2016/01/06

Self-ignition	:	Not applicable
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	≤ 1,100 hPa (50 °C)
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	1 g/cm ³ (23 °C, 1,013 hPa)
Solubility(ies)		
Water solubility	:	completely miscible (20 °C, 1,013 hPa)
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	Not applicable
Oxidizing properties	:	Not applicable
Particle characteristics		
Particle size	:	Not applicable

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac-	:	No dangerous reaction known under conditions of normal use.

SAFETY DATA SHEET

CLEVIOS PH 1000

1KG(P1,0C)

3130

Version
9.3

Revision Date:
2025/12/18

Date of last issue: 2024/11/27
Date of first issue: 2016/01/06

tions

Conditions to avoid : No data available

Incompatible materials : No data available

Hazardous decomposition : No data available

products

No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Symptoms of Overexposure : None known.

Acute toxicity

Not classified due to lack of data.

Components:

Benzenesulfonic acid, ethenyl-, homopolymer, compd. with 2,3-dihydrothieno[3,4-b]-1,4-dioxin homopolymer:

Acute oral toxicity : LD50 (Rat): > 2,500 mg/kg

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Product:

Result : No skin irritation

Remarks : Expert judgement

Components:

Benzenesulfonic acid, ethenyl-, homopolymer, compd. with 2,3-dihydrothieno[3,4-b]-1,4-dioxin homopolymer:

Species : Rabbit

Result : No skin irritation

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Product:

Result : No eye irritation

Remarks : The toxicological data has been taken from products of similar composition.

SAFETY DATA SHEET

CLEVIOS PH 1000

1KG(P1,0C)

3130

Version

9.3

Revision Date:

2025/12/18

Date of last issue: 2024/11/27

Date of first issue: 2016/01/06

Components:

Benzenesulfonic acid, ethenyl-, homopolymer, compd. with 2,3-dihydrothieno[3,4-b]-1,4-dioxin homopolymer:

Species : Rabbit
Result : Severe irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified due to lack of data.

Respiratory sensitisation

Not classified due to lack of data.

Chronic toxicity

Germ cell mutagenicity

Not classified due to lack of data.

Components:

Benzenesulfonic acid, ethenyl-, homopolymer, compd. with 2,3-dihydrothieno[3,4-b]-1,4-dioxin homopolymer:

Genotoxicity in vitro : Test Type: Ames test
Result: negative

Carcinogenicity

Not classified due to lack of data.

Reproductive toxicity

Not classified due to lack of data.

STOT - single exposure

Not classified due to lack of data.

STOT - repeated exposure

Not classified due to lack of data.

Aspiration toxicity

Not classified due to lack of data.

SAFETY DATA SHEET

CLEVIOS PH 1000

1KG(P1,0C)

3130

Version
9.3

Revision Date:
2025/12/18

Date of last issue: 2024/11/27
Date of first issue: 2016/01/06

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Benzenesulfonic acid, ethenyl-, homopolymer, compd. with 2,3-dihydrothieno[3,4-b]-1,4-dioxin homopolymer:

Toxicity to fish : LC0 (Zebrafish): > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC0 (Daphnia magna Straus): > 100 mg/l
aquatic invertebrates Exposure time: 48 h

Persistence and degradability

No data available

Bioaccumulative potential

Components:

Benzenesulfonic acid, ethenyl-, homopolymer, compd. with 2,3-dihydrothieno[3,4-b]-1,4-dioxin homopolymer:

Partition coefficient: n- : log Pow: < 0.3
octanol/water

Mobility in soil

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : If recycling is not practicable, dispose of in compliance with local regulations.
Contaminated packaging : Dispose of as unused product.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

UN number : Not applicable

SAFETY DATA SHEET

CLEVIOS PH 1000

1KG(P1,0C)

3130

Version

9.3

Revision Date:

2025/12/18

Date of last issue: 2024/11/27

Date of first issue: 2016/01/06

Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
Environmentally hazardous : no

IATA-DGR

Not regulated as a dangerous good

UN/ID No. : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
Packing instruction (cargo aircraft) : Not applicable
Packing instruction (passenger aircraft) : Not applicable

IMDG-Code

Not regulated as a dangerous good

UN number : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
EmS Code : Not applicable
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

National regulatory information

Regulations on Occupational Safety and Health Facilities : applicable
Standards for the Storage, Cleanup, Handling and Disposal of Industrial Waste : applicable
Regulations on Labelling and Hazard Communication of Hazardous Chemicals : Not classified as dangerous or harmful substances
Rules on Road Traffic Safety : Not applicable

SAFETY DATA SHEET

CLEVIOS PH 1000

1KG(P1,0C)

3130

Version
9.3

Revision Date:
2025/12/18

Date of last issue: 2024/11/27
Date of first issue: 2016/01/06

Standards of Permissible Exposure Limits in Work-place	:	Contains no substances with occupational exposure limit values.
Rules on the Prevention of Poisoning from Organic Solvents.	:	Not applicable
Standard for the Control of Designated Hazardous and Dangerous Chemicals	:	Not applicable
Standards for Establishing Places for Manufacturing, Storing, Processing Public Hazardous Substances and Flammable Pressurized Gases, and Regulations on Safety Control of such Places	:	Not applicable
Toxic and Concerned Chemical Substances Control Act	:	
Toxic chemical substances	:	Not applicable
Concerned chemical substances	:	Not applicable
Regulations for Governing Designating and Handling of Priority Management Chemicals	:	Not applicable
Rules on Labour Health Protection	:	Not applicable

The components of this product are reported in the following inventories:

TCSI : On the inventory, or in compliance with the inventory

Other regulations

Storage class (TRGS 510) : 12: Non Combustible Liquids

16. OTHER INFORMATION

Organisation that prepared the SDS : Heraeus Business Solutions GmbH: EHS Chemical Safety
Person who prepared the SDS : Dr. Arno Buthe
Revision Date : 2025/12/18
Date format : yyyy/mm/dd

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; 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;

SAFETY DATA SHEET

CLEVIOS PH 1000

1KG(P1,0C)

3130

Version
9.3

Revision Date:
2025/12/18

Date of last issue: 2024/11/27
Date of first issue: 2016/01/06

ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation 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; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

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.

TW / EN