

## 1. Product and Company Identification

**Product identifier**

**Trade name or designation of the mixture** CLEVIOS P

**Registration number** -

**Date of first issue** 02-25-2011

**Version number** 2.0

**Revision date** 02-25-2011

**Supersedes date** 12-10-2010

**Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** Not available.

**Uses advised against** None known.

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

**Company name** Heraeus Clevios GmbH

**Address** Chempark, B 202  
51368 Leverkusen  
Germany

**Contact person** Andree Heinrich

**Telephone number** +49 (0) 214 30 76517

**E-mail** andree.heinrich@bayer.com

**Emergency telephone number** +49 (0) 214 30 99300

**SDS number** 81075818

**Product use** Industrial use

## 2. Hazards Identification

**OSHA regulatory status** This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

**Potential health effects**

**Eyes** Contact with eyes may cause irritation.

**Skin** Health injuries are not known or expected under normal use.

**Inhalation** Health injuries are not known or expected under normal use.

**Ingestion** Health injuries are not known or expected under normal use.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Benzenesulfonic Acid, Ethenyl-, Homopolymer, Compd. With 2,3-dihydrothieno[3,4-b]-1,4-dioxin Homopolymer	155090-83-8	1 - 1.5

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.

**Skin contact** Rinse skin with water/shower. Get medical attention if irritation develops and persists.

**Inhalation** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

**Ingestion** Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

**General advice** If you feel unwell, seek medical advice (show the label where possible).

## 5. Fire Fighting Measures

### Extinguishing media

- Suitable extinguishing media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media** Do not use water jet.

### Advice for firefighters

- Special protective equipment for firefighters** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
- Special firefighting procedures** Move containers from fire area if you can do so without risk.

### Hazardous combustion products

Carbon oxides.

## 6. Accidental Release Measures

### Personal precautions

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation.

### Environmental precautions

Prevent further leakage or spillage if safe to do so.

### Methods for containment

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

### Methods for cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

## 7. Handling and Storage

### Handling

Handle and open container with care.

### Storage

Use care in handling/storage.

## 8. Exposure Controls / Personal Protection

### Personal protective equipment

- Eye / face protection** Wear eye/face protection.
- Skin protection** Normal work clothing (long sleeved shirts and long pants) is recommended.
- Respiratory protection** No personal respiratory protective equipment normally required. In case of inadequate ventilation use suitable respirator.
- General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

### Information on basic physical and chemical properties

#### Physical state

Liquid.

#### Form

Not available.

#### Color

Dark blue.

#### Odor

Slightly.

#### Odor threshold

Not available.

#### pH

1 - 2 @ 20°C

#### Melting point/freezing point

Not available.

<b>Boiling point, initial boiling point, and boiling range</b>	Not available.
<b>Flash point</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not available.
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Oxidizing properties</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.
<b>Explosive limit</b>	Not applicable.
<b>Vapor pressure</b>	23 mbar @ 20°C
<b>Vapor density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Relative density</b>	Not available.
<b>Density</b>	1.0032 g/cm <sup>3</sup> @ 20°C
<b>Solubility (water)</b>	miscible
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Decomposition temperature</b>	> 212 °F (> 100 °C)
<b>Pour point</b>	32 °F (0 °C)
<b>Viscosity</b>	Not available.
<b>Percent volatile</b>	Not available.
<b>Other information</b>	No relevant additional information available.

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the decomposition temperature.
<b>Incompatible materials</b>	Not available.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known. At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

## 11. Toxicological Information

### Toxicological data

Components	Test Results
Benzenesulfonic Acid, Ethenyl-, Homopolymer, Compd. With 2,3-dihydrothieno[3,4-b]-1,4-dioxin Homopolymer (155090-83-8)	Acute Oral LD50 Rat: > 2500 mg/kg

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

## 12. Ecological Information

### Toxicity

Components	Test Results
Benzenesulfonic Acid, Ethenyl-, Homopolymer, Compd. With 2,3-dihydrothieno[3,4-b]-1,4-dioxin Homopolymer (155090-83-8)	NOEC Water flea (Daphnia magna): > 100 mg/l 48 hours
	NOEC Zebra danio (Danio rerio): > 100 mg/l 96 hours

**Persistence and degradability** Not available.

<b>Bioaccumulative potential</b>	Not available.
<b>Mobility</b>	Not available.
<b>Environmental fate - Partition coefficient</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Results of PBT and vPvB assessment</b>	Not available.
<b>Other adverse effects</b>	Not available.

### 13. Disposal Considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Not applicable.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport Information

#### DOT

Not regulated as dangerous goods.

### 15. Regulatory Information

<b>US federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.
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CERCLA/SARA Hazardous Substances - Not applicable.

#### **Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))**

Not regulated

#### **DEA Essential Chemical Code Number**

Not regulated

#### **Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

Not regulated

#### **DEA Exempt Chemical Mixtures Code Number**

Not regulated

#### **CERCLA (Superfund) reportable quantity**

None

#### **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<b>Hazard categories</b>	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

#### **Inventory status**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. Other Information**

**Further information**

HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**

Health: 0  
 Flammability: 0  
 Physical hazard: 0

**NFPA ratings**

Health: 0  
 Flammability: 0  
 Instability: 0

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available.

**Issue date**

02-25-2011

**This data sheet contains changes from the previous version in section(s):**

This document has undergone significant changes and should be reviewed in its entirety.