

**Safety Data Sheet**  
according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.03.2025

Version number 1

Revision: 31.03.2025

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

**1.1 Product identifier**

Trade name: **CHRYSO Serenis**

Safety data sheet no.: 358P1134

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

The product is intended for industrial or professional use.

**Application of the substance / the mixture** Construction chemicals

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

**Manufacturer/Supplier:**

Saint-Gobain Finland Oy

PL 70

(Strömberginkuja 2)

FIN-00381 Helsinki

Phone: +358-(0)10-44 22 00

e-mail: DL-productsafety.fi@saint-gobain.com

**1.4 Emergency telephone number:**

+358 800 147 111

+358 9 471 977

Finnish Poison Information Centre

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Repr. 2 H361d Suspected of damaging the unborn child.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**



GHS07 GHS08

**Signal word** Warning

**Hazard-determining components of labelling:**

2-methylpentane-2,4-diol

(Contd. on page 2)

## Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.03.2025

Version number 1

Revision: 31.03.2025

**Trade name: CHRYSO Serenis**

(Contd. of page 1)

**Hazard statements**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H361d Suspected of damaging the unborn child.

**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Does not contain PBT substances.  
**vPvB:** Does not contain vPvB substances.

**Determination of endocrine-disrupting properties**


Does not contain substances with endocrine-disrupting properties.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures**

**Description:** Mixture of substances listed below with non hazardous additions.

**Dangerous components:**

CAS: 107-41-5	2-methylpentane-2,4-diol	75-100%
EINECS: 203-489-0		
Index number: 603-053-00-3		
Reg.nr.: 01-2119539582-35-xxxx		
substance with a Community workplace exposure limit		

**SVHC** Void

**Additional information** For the wording of the listed hazard statements refer to section 16.

### SECTION 4: First aid measures

**4.1 Description of first aid measures**

**General information**

Never administer anything by mouth to an unconscious person.  
If unconscious, place the patient in a stable side position and consult a doctor  
Immediately remove any clothing soiled by the product.

**After inhalation** Supply fresh air; consult doctor in case of complaints.

**After skin contact**

Immediately rinse with water.  
If skin irritation continues, consult a doctor.

**After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
Rinse liquid should be tempered (20-30°C).

(Contd. on page 3)

**Safety Data Sheet**  
according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.03.2025

Version number 1

Revision: 31.03.2025

**Trade name: CHRYSO Serenis**

(Contd. of page 2)

**After swallowing**

Rinse out mouth with water. Do not induce vomiting. Seek medical attention and present this data sheet.

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

No further relevant information available.

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

No further relevant information available.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing agents**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.  
Use fire extinguishing methods suitable to surrounding conditions.

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

No further relevant information available.

**5.3 Advice for firefighters**

**Protective equipment:**

No special measures required.  
Use methods suitable to surrounding conditions.

**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

## SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.  
Avoid contact with skin and eyes.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for containment and cleaning up:**

Dispose of the material collected according to regulations.

**6.4 Reference to other sections**

See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling** Avoid contact with skin and eyes.

**Information about fire - and explosion protection:** No special measures required.

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

**Storage**

**Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

**Information about storage in one common storage facility:** Store away from foodstuffs.

**Further information about storage conditions:** Keep container tightly sealed.

(Contd. on page 4)

## Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.03.2025

Version number 1

Revision: 31.03.2025

Trade name: CHRYSO Serenis

(Contd. of page 3)

7.3 Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:**

DNELs		
<b>CAS: 107-41-5 2-methylpentane-2,4-diol</b>		
Oral	Derived No Effect Level	2.25 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	63 mg/kgxday (worker systemic long term value)
		22.5 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	44.43 mg/m <sup>3</sup> (worker systemic long term value)
		7.83 mg/m <sup>3</sup> (consumer systemic long term value)
		98 mg/m <sup>3</sup> (worker local short term value)
		49 mg/m <sup>3</sup> (worker local long term value)
		25 mg/m <sup>3</sup> (consumer local long term value)
PNECs		
<b>CAS: 107-41-5 2-methylpentane-2,4-diol</b>		
Predicted No-Effect Concentration		0.066 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration		0.043 mg/l (sea water rating factor)
		0.429 mg/l (fresh water rating factor)
CAS No. / Designation of material / % / Type / Value / Unit		
<b>CAS: 107-41-5 2-methylpentane-2,4-diol</b>		
MAK (Germany)	Long-term value: 49 mg/m <sup>3</sup> , 10 ppm vgl.Abschn.Xc;Dampf und Aerosol	
GV (Denmark)	Ceiling limit: 125 mg/m <sup>3</sup> , 25 ppm L	
LEP (Spain)	Short-term value: 123 mg/m <sup>3</sup> , 25 ppm	
TWA (Italy)	Ceiling limit: 121 mg/m <sup>3</sup> , 25 ppm	
VLE (Portugal)	Ceiling limit: 25 ppm	
	Irritação ocular e do TRS	
OEL (Sweden)	Short-term value: 120 mg/m <sup>3</sup> , 25 ppm	
HTP (Finland)	Short-term value: 200 mg/m <sup>3</sup> , 40 ppm	
	Long-term value: 120 mg/m <sup>3</sup> , 25 ppm	

#### 8.2 Exposure controls

**Appropriate engineering controls** No further data; see section 7.

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

(Contd. on page 5)

## Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.03.2025

Version number 1

Revision: 31.03.2025

Trade name: CHRYSO Serenis

(Contd. of page 4)

Avoid contact with the eyes and skin.

**Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.**Hand protection**

Protective gloves against chemicals (standard EN 374-1)

The glove material has to be impermeable and resistant to the product/ the substance/ the mixture.

The hands must be cleaned from the powder before putting on the gloves.

Check protective gloves prior to each use for their proper condition.

**Material of gloves** Nitrile rubber, NBR**Penetration time of glove material**

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection** Protective eyewear (standard EN 166)**Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

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

##### General Information

<b>Physical state</b>	Liquid
<b>Colour:</b>	Brown
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	-50 °C (DIN ISO 3016)
<b>Boiling point or initial boiling point and boiling range</b>	>100 °C (DIN)
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	1 Vol % (DIN 51649)
<b>Upper:</b>	9.9 Vol % (DIN 51649)
<b>Flash point:</b>	Not applicable
<b>Auto-ignition temperature:</b>	260 °C
<b>Decomposition temperature:</b>	Not determined.
<b>pH at 20 °C</b>	7
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>Water:</b>	Fully miscible
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	0.065 hPa
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	>1 g/cm <sup>3</sup> (DIN 51757)
<b>Relative density</b>	Not determined.
<b>Bulk density:</b>	Not applicable.
<b>Vapour density</b>	Not determined.

(Contd. on page 6)

**Safety Data Sheet**  
according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.03.2025

Version number 1

Revision: 31.03.2025

**Trade name: CHRYSO Serenis**

(Contd. of page 5)

**9.2 Other information**

**Appearance:**

**Form:** Liquid

**Important information on protection of health and environment, and on safety.**

**Ignition temperature:** Product is not self-igniting.

**Explosive properties:** Product does not present an explosion hazard.

**Minimum ignition energy**

**Solvent separation test:** Not applicable.

**Change in condition**

**Softening point/range**

**Oxidising properties** Not determined.

**Evaporation rate** Not determined.

**Information with regard to physical hazard classes**

**Explosives** Void

**Flammable gases** Void

**Aerosols** Void

**Oxidising gases** Void

**Gases under pressure** Void

**Flammable liquids** Void

**Flammable solids** Void

**Self-reactive substances and mixtures** Void

**Pyrophoric liquids** Void

**Pyrophoric solids** Void

**Self-heating substances and mixtures** Void

**Substances and mixtures, which emit flammable gases in contact with water** Void

**Oxidising liquids** Void

**Oxidising solids** Void

**Organic peroxides** Void

**Corrosive to metals** Void

**Desensitised explosives** Void

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability** Stable at recommended storage conditions

**Thermal decomposition / Conditions to be avoided:**

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:**

Carbon monoxide

(Contd. on page 7)

**Safety Data Sheet**  
according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.03.2025

Version number 1

Revision: 31.03.2025

**Trade name: CHRYSO Serenis**

Carbon dioxide

(Contd. of page 6)

**SECTION 11: Toxicological information**

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

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

**Primary irritant effect:**

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/irritation** Causes serious eye irritation.

**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** Suspected of damaging the unborn child.

**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**

**Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:** Not classified as harmful to aquatic life

**Type of test / Effective concentration / Method / Assessment**

**CAS: 107-41-5 2-methylpentane-2,4-diol**

LC50/96h	4,310-16,500 mg/l (aquatic invertebrates) 8,510-13,500 mg/l (Fish)
EC50/48h	5,410 mg/l (aquatic invertebrates)
EC50/72h	429 mg/l (aquatic algae and cyanobacteria)
NOEC (72h)	429 mg/l (aquatic algae and cyanobacteria)

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

**Method**

**CAS: 107-41-5 2-methylpentane-2,4-diol**

Biod. (28 days) | 81 % (Biodegradation)

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

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

**12.5 Results of PBT and vPvB assessment**

**PBT:** Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

(Contd. on page 8)

**Safety Data Sheet**  
according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.03.2025

Version number 1

Revision: 31.03.2025

**Trade name: CHRYSO Serenis**

(Contd. of page 7)

**12.7 Other adverse effects**

**Additional ecological information:**

**General notes:** Do not allow product to reach ground water, water course or sewage system.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation** Dispose of the product in accordance with national and local regulations.

**European waste catalogue**

HP4	Irritant - skin irritation and eye damage
HP10	Toxic for reproduction

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleaning agent:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

<b>14.1 UN number or ID number</b> ADR, IMDG, IATA	Void
<b>14.2 UN proper shipping name</b> ADR, IMDG, IATA	Void
<b>14.3 Transport hazard class(es)</b> ADR, ADN, IMDG, IATA Class	Void
<b>14.4 Packing group</b> ADR, IMDG, IATA	Void
<b>14.5 Environmental hazards:</b>	Not applicable.
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>UN "Model Regulation":</b>	Void

**SECTION 15: Regulatory information**

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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

(Contd. on page 9)

## Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.03.2025

Version number 1

Revision: 31.03.2025

**Trade name: CHRYSO Serenis**

(Contd. of page 8)

**Labelling according to Regulation (EC) No 1272/2008** cf. section 2

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**REGULATION (EU) 2017/852 on mercury (Annex I)**

None of the ingredients is listed.

**REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)**

None of the ingredients is listed.

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

**Regulation (EU) No 649/2012**

None of the ingredients is listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148**

**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**REGULATION (EU) 2024/590 on substances that deplete the ozone layer**

None of the ingredients is listed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

#### Relevant phrases

The following list of relevant hazard statements is the full text of hazard statements mentioned elsewhere in this safety data sheet (in particular in the section 3) and is reported as required by the Regulation (EC) No 1907/2006 (REACH), Annex II, and the following amendments (Regulation (EU) 2020/878). The statements mentioned here do not refer to the product itself, but refer to the individual ingredients in the products, and are provided for information.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361d Suspected of damaging the unborn child.

(Contd. on page 10)

**Safety Data Sheet**  
 according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.03.2025

Version number 1

Revision: 31.03.2025

**Trade name: CHRYSO Serenis**

(Contd. of page 9)

**Classification according to Regulation (EC) No 1272/2008**

Skin corrosion/irritation Serious eye damage/irritation Reproductive toxicity	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
---	--

**Department issuing SDS: QEHS**

**Contact:**

+358-(0)10-44 22 00

DL-productsafety.fi@saint-gobain.com

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Repr. 2: Reproductive toxicity – Category 2

