

Safety Data Sheet
according to Regulation (EC) No 1907/2006, Article 31, as
amended by Regulation (EU) 2020/878.

Printing date 03.09.2025

Version number 2 (replaces version 1)

Revision: 03.09.2025

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

1.1 Product identifier

Trade name: CHRYSO HD

Safety data sheet no.: 358P1115

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

The product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Additional information:

EUH208 Contains 2-methyl-1,2-benzothiazol-3(2H)-one, 1,2-benzisothiazoline-3(2H)-one. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

Information according to the Biocidal Products Regulation (EU) 528/2012: this product contains biocidal products. Active substance: 1,2-benzisothiazoline-3(2H)-one, 2-methyl-1,2-benzothiazol-3(2H)-one

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Additive

(Contd. on page 2)

Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31, as amended by Regulation (EU) 2020/878.

Printing date 03.09.2025

Version number 2 (replaces version 1)

Revision: 03.09.2025

Trade name: CHRYSO HD

(Contd. of page 1)

Dangerous components:

| | | |
|--|--|----------|
| CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6 | 1,2-benzisothiazoline-3(2H)-one ⚠ Acute Tox. 2, H330; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317 ATE: LD50 oral: 450 mg/kg LC50/4 h inhalative: 0.21 mg/l Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.036 % substance with a Community workplace exposure limit | <0.025% |
| CAS: 2527-66-4 EC number: 695-989-4 Index number: 613-336-00-3 | 2-methyl-1,2-benzothiazol-3(2H)-one ⚠ Acute Tox. 3, H301; ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=1); Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H312; Skin Sens. 1A, H317, EUH071 ATE: LD50 oral: 175 mg/kg LD50 dermal: 1,100 mg/kg Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 % | <0.0015% |

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

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

After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact

Rinse immediately and abundantly with water. Seek medical attention, if pain or redness persists.

Remove contact lenses, if possible. Continue rinsing

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.

EUG

(Contd. on page 3)

Safety Data Sheet
according to Regulation (EC) No 1907/2006, Article 31, as
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Printing date 03.09.2025

Version number 2 (replaces version 1)

Revision: 03.09.2025

Trade name: **CHRYSO HD**

(Contd. of page 2)

* **SECTION 5: Firefighting measures**

5.1 Extinguishing media

Suitable extinguishing agents Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide (CO)

Carbon dioxide (CO₂)

5.3 Advice for firefighters

Protective equipment: Use methods suitable to surrounding conditions.

* **SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Do not allow to penetrate the ground/soil.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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

Do not drink or eat while working. Wash hands thoroughly before breaks and after finishing work.

Remove contaminated clothing and protective equipment before entering the dining room.

Packaging must remain undamaged to prevent the product from leaking into the environment.

When opening the packaging, avoid spillage of the product.

Apply the product according to the instructions for use.

Collect water from cleaning of tools or other equipment for reuse or disposal according to local regulations. Do not dispose cleaning water into the environment or stormwater drains.

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: Protect from freezing.

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

EUG

(Contd. on page 4)

Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31, as amended by Regulation (EU) 2020/878.

Printing date 03.09.2025

Version number 2 (replaces version 1)

Revision: 03.09.2025

Trade name: CHRYSO HD

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

| DNELs | | |
|---|-------------------------|---|
| CAS: 2634-33-5 1,2-benzisothiazoline-3(2H)-one | | |
| Dermal | Derived No Effect Level | 0.966 mg/kgxday (worker systemic long term value) 0.345 mg/kgxday (consumer systemic long term value) |
| | Derived No Effect Level | 6.81 mg/m ³ (worker systemic long term value) 1.2 mg/m ³ (consumer systemic long term value) |
| Inhalative | Derived No Effect Level | 6.81 mg/m ³ (worker systemic long term value) 1.2 mg/m ³ (consumer systemic long term value) |
| PNECs | | |
| CAS: 2634-33-5 1,2-benzisothiazoline-3(2H)-one | | |
| Predicted No-Effect Concentration | | 3 mg/kgxdwt (earth rating factor) |
| Predicted No-Effect Concentration | | 0.000403 mg/l (sea water rating factor) 0.00403 mg/l (fresh water rating factor) |
| CAS No. / Designation of material / % / Type / Value / Unit | | |
| CAS: 2634-33-5 1,2-benzisothiazoline-3(2H)-one | | |
| MAK (Germany) | | vgl. Abschn. IIb und Xc |

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.

Wash hands before breaks and at the end of work.

Do not eat, drink, smoke or sniff while working.

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

PVC gloves

Butyl rubber, BR

Eye/face protection Protective eyewear (standard EN 166)

Body protection: Protective work clothing.

EUG

(Contd. on page 5)

Safety Data Sheet
 according to Regulation (EC) No 1907/2006, Article 31, as
 amended by Regulation (EU) 2020/878.

Printing date 03.09.2025

Version number 2 (replaces version 1)

Revision: 03.09.2025

Trade name: CHRYSO HD

(Contd. of page 4)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

| | |
|---|----------------------|
| Physical state | Liquid |
| Colour: | White |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |
| Melting point/freezing point: | Undetermined. |
| Boiling point or initial boiling point and boiling range | Undetermined. |
| Flammability | Not applicable. |
| Lower and upper explosion limit | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| Flash point: | Not applicable |
| Auto-ignition temperature: | Not determined. |
| Decomposition temperature: | Not determined. |
| pH at 20 °C | 11 |
| Viscosity: | |
| Kinematic viscosity | Not determined. |
| dynamic: | Not determined. |
| Solubility | |
| Water: | Fully miscible |
| Partition coefficient n-octanol/water (log value) | Not determined. |
| Vapour pressure: | Not determined. |
| Density and/or relative density | |
| Density at 20 °C: | >1 g/cm ³ |
| Relative density | Not determined. |
| Bulk density: | Not applicable. |
| Vapour density | Not determined. |

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. |
| EU-VOC (g/L) | |
| Solids content: | 0.0 % |
| Change in condition | |
| Softening point/range | |
| Oxidising properties | Not determined. |

(Contd. on page 6)

Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31, as amended by Regulation (EU) 2020/878.

Printing date 03.09.2025

Version number 2 (replaces version 1)

Revision: 03.09.2025

Trade name: CHRYSO HD

(Contd. of page 5)

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** Avoid frost
- 10.5 Incompatible materials:** No further relevant information available.
- 10.6 Hazardous decomposition products:**
Carbon monoxide
Carbon dioxide

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.
- LD/LC50 values relevant for classification:**

| Components | / | Type | / | Value | / | Species |
|---|------|-----------|-------|-------|---|---------|
| CAS: 2634-33-5 1,2-benzisothiazoline-3(2H)-one | | | | | | |
| Oral | LD50 | 450 mg/kg | (ATE) | | | |

(Contd. on page 7)

Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31, as amended by Regulation (EU) 2020/878.

Printing date 03.09.2025

Version number 2 (replaces version 1)

Revision: 03.09.2025

Trade name: CHRYSO HD

(Contd. of page 6)

| | | |
|---|------|--|
| Dermal | LD50 | >2,000 mg/kg (Rat) |
| CAS: 2527-66-4 2-methyl-1,2-benzothiazol-3(2H)-one | | |
| Oral | LD50 | 175 mg/kg (ATE) 175 mg/kg (Calculation) |
| Dermal | LD50 | 1,100 mg/kg (ATE) 1,100 mg/kg (Calculation) |

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Sensitising effect by skin contact is possible by prolonged exposure.

May cause an allergic skin reaction to already sensitised individuals (supplemental labelling EUH208 in Europe)

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

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: 2634-33-5 1,2-benzisothiazoline-3(2H)-one

| | |
|------------|---|
| LC50/96h | 2.15-22 mg/l (Fish) |
| EC50/48h | 2.9 mg/l (aquatic invertebrates) |
| EC50/72h | 0.07-0.15 mg/l (aquatic algae and cyanobacteria) |
| NOEC (72h) | 0.0403-0.055 mg/l (aquatic algae and cyanobacteria) |

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential

CAS: 2634-33-5 1,2-benzisothiazoline-3(2H)-one

| | |
|------|-------------|
| EBAB | 0.7 log Pow |
|------|-------------|

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.

(Contd. on page 8)

Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31, as amended by Regulation (EU) 2020/878.

Printing date 03.09.2025

Version number 2 (replaces version 1)

Revision: 03.09.2025

Trade name: CHRYSO HD

(Contd. of page 7)

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Behaviour in sewage processing plants:

| Type of test / Effective concentration / Method / Assessment |
|--|
| CAS: 2634-33-5 1,2-benzisothiazoline-3(2H)-one |
| EC 50 (3h) 12.8-24 mg/l (microorganisms) |

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.

Follow the producers use and disposal instructions to avoid the releases to the environment.

When cleaning tools: remove product residues from the mixing and application tools before cleaning them with water.

Do not spill water or dispose cleaning water into the environment.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

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

(Contd. on page 9)

Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31, as amended by Regulation (EU) 2020/878.

Printing date 03.09.2025

Version number 2 (replaces version 1)

Revision: 03.09.2025

Trade name: CHRYSO HD

(Contd. of page 8)

UN "Model Regulation":

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)

This product is subject to the Regulation (EU) 2023/2055 amending REACH Annex XVII 'Restriction List' as regards Synthetic Polymer Microparticles (Entry no.78 on the List).

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 (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.

EUG

(Contd. on page 10)

Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31, as amended by Regulation (EU) 2020/878.

Printing date 03.09.2025

Version number 2 (replaces version 1)

Revision: 03.09.2025

Trade name: CHRYSO HD

(Contd. of page 9)

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.

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- EUH071 Corrosive to the respiratory tract.

Department issuing SDS: QEHS

Contact:

+358-(0)10-44 22 00

DL-productsafety.fi@saint-gobain.com

Version number of previous version: 1

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

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

(Contd. on page 11)

Safety Data Sheet
according to Regulation (EC) No 1907/2006, Article 31, as
amended by Regulation (EU) 2020/878.

Printing date 03.09.2025

Version number 2 (replaces version 1)

Revision: 03.09.2025

Trade name: CHRYSO HD

(Contd. of page 10)

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

*** Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.

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