

Safety Data Sheet

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

Printing date 01.04.2026

Version number 2 (replaces version 1)

Revision: 31.03.2026

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

1.1 Product identifierTrade name: **CHRYSO Xel Time 88**

Safety data sheet no.: 358P1116

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

Additive

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



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

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

GHS05



GHS07

Signal word Danger

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Hazard-determining components of labelling:

calcium nitrate (anhydrous)
 sodium thiocyanate

Hazard statements

H302 Harmful if swallowed.
 H318 Causes serious eye damage.

Precautionary statements

P280 Wear eye protection / face protection.
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P330 Rinse mouth.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH032 Contact with acids liberates very toxic gas.
 Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

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: Additive

Dangerous components:

CAS: 10124-37-5 EINECS: 233-332-1 Reg.nr.: 01-2119495093-35-xxxx	calcium nitrate (anhydrous) ⚠ Ox. Sol. 3, H272; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	25-50%
CAS: 540-72-7 EINECS: 208-754-4 Index number: 615-004-00-3 Reg.nr.: 01-2119543700-47-xxxx	sodium thiocyanate ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Eye Irrit. 2, H319; Aquatic Chronic 3, H412, EUH032	10-20%

SVHC Void

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

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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 opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).

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 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.

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.

Ensure adequate ventilation.

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

6.3 Methods and material for containment and cleaning up:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb with sawdust or other combustible absorbents.

Do not use solvents.

Ensure adequate ventilation.

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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.
 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.
 Keep receptacles tightly sealed.
 Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: Do not smoke

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:

Do not store together with acids.
 Store away from foodstuffs.

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		
CAS: 10124-37-5 calcium nitrate (anhydrous)		
Oral	Derived No Effect Level	10 mg/kgxday (consumer systemic short term value)
CAS: 540-72-7 sodium thiocyanate		
Oral	Derived No Effect Level	0.2 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	4.3 mg/kgxday (worker systemic long term value)
		2.1 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	3 mg/m ³ (worker systemic long term value)
		1.1 mg/m ³ (consumer systemic long term value)
PNECs		
CAS: 540-72-7 sodium thiocyanate		
Predicted No-Effect Concentration	6,336 mg/kgxdwt (earth rating factor)	
Predicted No-Effect Concentration	0.0272 mg/l (sea water rating factor)	
	0.095 mg/l (fresh water rating factor)	

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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.

Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and feed.

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

Wash hands before breaks and at the end of work.

Immediately remove all soiled and contaminated clothing.

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

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)

Tightly sealed goggles

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Liquid

Colour:

Red

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

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pH at 20 °C	6.5
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:	>1
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.
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

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Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity

This product can react with some agents under certain conditions. See the other points in this section

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 Reacts with acids

10.4 Conditions to avoid Avoid frost

10.5 Incompatible materials: Acids

SECTION 11: Toxicological information

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

Acute toxicity Harmful if swallowed.

LD/LC50 values relevant for classification:

Components	/	Type	/	Value	/	Species
CAS: 10124-37-5 calcium nitrate (anhydrous)						
Oral	LD50	>300 mg/kg	(Rat)			
Dermal	LD50	>2,000 mg/kg	(Rat)			
CAS: 540-72-7 sodium thiocyanate						
Oral	LD50	594 mg/kg	(Rat)			
Dermal	LD50	>2,000 mg/kg	(Rat)			

Primary irritant effect:

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

Serious eye damage/irritation Causes serious eye damage.

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 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.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

Type of test / Effective concentration / Method / Assessment

CAS: 10124-37-5 calcium nitrate (anhydrous)

LC50/48h	346 mg/l (Fish)
LC50/96h	496 mg/l (Daphnia magna) 10,358 mg/l (Fish)
LC0/96h	496 mg/l (Daphnia magna)
EC50/24h	490 mg/l (Daphnia magna)
EC50/48h	340 mg/l (Daphnia magna)
EC50/96h	39-900 mg/l (Daphnia magna)
EC50/72h	>71 mg/l (Algae)
NOEC (72h)	≥71 mg/l (Algae)
NOEC (14d)	439.3 mg/l (Daphnia magna)
EC 10	180 mg/l (microorganisms)

CAS: 540-72-7 sodium thiocyanate

LC50/48h	90 mg/l (Fish)
LC50/24h	100 mg/l (Fish)
LC50/96h	65 mg/l (Fish)
EC50/48h	3.56 mg/l (aquatic invertebrates)
EC50/72h	116 mg/l (aquatic algae and cyanobacteria)
NOEC (72h)	22-106.5 mg/l (aquatic algae and cyanobacteria)
NOEC (48h)	2 mg/l (aquatic invertebrates)
NOEC (21d)	1.25 mg/l (aquatic invertebrates)
NOEC (28d)	2 mg/l (microorganisms)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential

CAS: 540-72-7 sodium thiocyanate

EBAB	0.58 log Pow (Bioaccumulation)
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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.

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12.7 Other adverse effects

Behaviour in sewage processing plants:

Type of test / Effective concentration / Method / Assessment	
CAS: 10124-37-5 calcium nitrate (anhydrous)	
EC 50 (3h)	72 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.

European waste catalogue	
HP4	Irritant - skin irritation and eye damage
HP6	Acute Toxicity
HP12	Release of an acute toxic gas

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
UN "Model Regulation":	Void

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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)

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

CAS: 10124-37-5 | calcium nitrate (anhydrous)

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.

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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.

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H412 Harmful to aquatic life with long lasting effects.
EUH032 Contact with acids liberates very toxic gas.

Classification according to Regulation (EC) No 1272/2008

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

Ox. Sol. 3: Oxidizing solids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

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

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

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** 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.