

**Safety data sheet**  
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as  
amended by UK REACH Regulation SI 2019/758

Printing Date: 09.03.2026

Version Number: 1.0

Revision Date: 09.03.2026

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

**1.1 Product identifier:**

Trade name: ***Chryso®Optima 1215***

UFI: FY72-T0XT-100N-8500

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

**Relevant identified uses of the substance or mixture:** Admixture for concrete and mortar

**Identified uses advised against:** No further relevant information available.

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

**Manufacturer/supplier:**

Chryso France  
7 rue de l'Europe. 45300.  
SERMAISES DU LOIRET.  
France

Tel: +(33) 2 38 34 58 00  
Fax: +(33) 2 38 39 01 72

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Saint-Gobain Construction Chemicals UK Limited  
1 Herald Way,  
Coventry  
CV3 2ZG

Tel : +44 (0)1327 707976

**Further information obtainable from:** [fds.chryso@chryso.com](mailto:fds.chryso@chryso.com)

**1.4 Emergency telephone number:**

UK: NHS 111 (Members of the public)  
UK NPIS 24-hour telephone number: +44 (0)344 892 0111 (Healthcare professionals only)  
National Poisons Information Service : 0870 600 6266

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture:**

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

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

**2.2 Label elements:**

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

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

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**Hazard pictograms**

GHS07

**Signal word** Warning**Hazard-determining components of labelling:**

2-octyl-2H-isothiazol-3-one  
 Glutaral

**Hazard statements**

H317 May cause an allergic skin reaction.  
 H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards:****Results of PBT and vPvB assessment:**

**PBT:** Not applicable  
**vPvB:** Not applicable

## SECTION 3: Composition/information on ingredients

**3.2 Mixtures****Description:**

Mixture of substances listed below with non-hazardous additions.

For further information, please refer to the product technical data sheet.

**Dangerous components:**

CAS: 112-18-5 EINECS: 203-943-8	Dodecyldimethylamine ----- Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1) Acute Tox. 4, H302	≥0.25-<1%
CAS: 111-30-8 EINECS: 203-856-5 Index number: 605-022-00-X	Glutaral ----- Acute Tox. 3, H301; Acute Tox. 2, H330 Resp. Sens. 1, H334 Skin Corr. 1B, H314 Aquatic Acute 1, H400; Aquatic Chronic 2, H411 Skin Sens. 1A, H317; STOT SE 3, H335 EUH071 Specific concentration limit: STOT SE 3; H335: C ≥ 0.5 %	0-<0.1%

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CAS: 26530-20-1 EINECS: 247-761-7 Index number: 613-112-00-5 Reg.nr.: 01-2120768921-45-XXXX	2-octyl-2H-isothiazol-3-one	(Contd. of page 2)
	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330 Skin Corr. 1, H314 Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100) Skin Sens. 1A, H317 EUH071 ATE: LD50 oral: 125 mg/kg LD50 dermal: 311 mg/kg Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.0025-<0.025%

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures:

**General information:** Get medical advice/attention if you feel unwell.

**After inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**After skin contact:** Immediately rinse with water.

**After eye contact:** Rinse cautiously with water for several minutes.

#### After swallowing:

Rinse mouth.

Do NOT induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed:

May cause sensitisation by skin contact.

#### 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.

#### 5.2 Special hazards arising from the substance or mixture:

No further relevant information available.

#### 5.3 Advice for firefighters:

**Additional information:** Collect contaminated fire fighting water separately. It must not enter the sewage system.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

**6.2 Environmental precautions:**

Do not allow product to enter drains or any other watercourse. Do not allow undiluted or large quantities of the product to enter groundwater, water courses or drains.

**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:** No special precautions are necessary if used correctly.

**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:** No special requirements.

**Information about storage in one common storage facility:** No special measures required.

**Further information about storage conditions:**

Protect from frost.

Store in a dry place.

Keep container tightly sealed.

Keep cool.

**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:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** Based on the lists valid at the date of SDS creation.

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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.

**Hand protection****Material of gloves:**

Nitrile rubber

**Eye/face protection**

Safety glasses.

**Body protection:**

Use personal protective equipment as required.

Take off contaminated 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/Melting range:</b>	Undetermined
<b>Boiling point or initial boiling point and boiling range</b>	Not determined.
<b>Flammability</b>	Not applicable
<b>Flammability Limits :</b>	
<b>Lower :</b>	
<b>Lower:</b>	Not determined
<b>Upper:</b>	Not determined
<b>Flash point:</b>	Not applicable
<b>Method:</b>	
<b>Auto-ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined
<b>pH at 20 °C</b>	5.3

**VISCOSITY**

<b>Kinematic viscosity</b>	Not determined
<b>Dynamic:</b>	Not determined

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**Solubility**

<b>Water:</b>	Fully miscible.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	1.065 g/cm <sup>3</sup>
<b>Vapour density:</b>	Not determined
<b>Particle characteristics</b>	Not applicable

**9.2 Other information:****Appearance:**

**Form:** Liquid.

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

**Ignition temperature:** Not determined

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

**Change in conditions:-**

**Evaporation rate:** Not determined

**Information with regard to physical hazard classes**

<b>Explosives</b>	Not applicable
<b>Flammable gases</b>	Not classified.
<b>Aerosols</b>	Not classified.
<b>Oxidising gases</b>	Not classified.
<b>Gases under pressure</b>	Not classified.
<b>Flammable liquids</b>	Not classified.
<b>Flammable solids</b>	Not classified.
<b>Self-reactive substances and mixtures</b>	Not classified.
<b>Pyrophoric liquids</b>	Not classified.
<b>Pyrophoric solids</b>	Not classified.
<b>Self-heating substances and mixtures</b>	Not classified.
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Not classified.
<b>Oxidising liquids</b>	Not classified.
<b>Oxidising solids</b>	Not classified.
<b>Organic peroxides</b>	Not classified.
<b>Corrosive to metals</b>	Not classified.
<b>Desensitised explosives</b>	Not classified.

## SECTION 10: Stability and reactivity

**10.1 Reactivity:**

Stable under normal conditions.

No further relevant information available.

**10.2 Chemical stability:**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions**

No dangerous reactions known.

No further relevant information available.

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**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 and 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:

##### 112-18-5 Dodecyldimethylamine

Oral	LD50	1,220 mg/kg (rat)
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##### 26530-20-1 2-octyl-2H-isothiazol-3-one

Oral	LD50	125 mg/kg (ATE)
		125 mg/kg (rat)
Dermal	LD50	311 mg/kg (ATE)
	LD50	311 mg/kg (rabbit)
Inhalative	LC50, 4h	2 mg/l (rat)
	LC50, 96h	mg/l (fish)

##### 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** May cause an allergic skin reaction.

**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

556-67-2	octamethylcyclotetrasiloxane
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List II

### SECTION 12: Ecological information

#### 12.1 Toxicity:

##### AQUATIC TOXICITY

##### 112-18-5 Dodecyldimethylamine

EC10	0.0043 mg/l (algae)
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EC50	0.926 mg/l (daphnia magna)
EC50, 72h	1.13 mg/l (fish) (Test Guideline 203)
CE50, 72h	0.0268 mg/l (algae) (Guideline 201)
CE50, 21d	0.141 mg/L (daphnia magna) (OCDE 211)
<b>26530-20-1 2-octyl-2H-isothiazol-3-one</b>	
EC20, 0.5h	10.4 mg/l (activated sludge) (TTC-Test (8901 macherey-nagel))
EC20, 3h	7.3 mg/l (activated sludge) (OECD 209)
EC50, 48h	0.32 mg/l (daphnia magna) (Noack 1998a)

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

**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:** Not applicable

**vPvB:** Not applicable

**12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.

**12.7 Other adverse effects:**

**ADDITIONAL ECOLOGICAL INFORMATION**

**General notes:**

Harmful to aquatic organisms.

Harmful to aquatic life with long lasting effects.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods:**

**Recommendation:**



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**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

Not Regulated

**14.2 UN proper shipping name**

ADR, IMDG, IATA

Not Regulated

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**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class Not Regulated

**14.4 Packing group**

ADR, IMDG, IATA

Not Regulated

**14.5 Environmental hazards:**

Not applicable

**14.7 Maritime transport in bulk according to  
IMO instruments**

Not Regulated

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****Poisons Act****Regulated explosives precursors**

None of the ingredients is listed.

**Regulated poisons**

None of the ingredients is listed.

**Reportable explosives precursors**

None of the ingredients is listed.

**Reportable poisons**

None of the ingredients is listed.

**Directive 2012/18/EU****Named dangerous substances - ANNEX I** None of the ingredients is listed.**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**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.

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**National regulations:****MAL-Code:** 4-3

**Danish Working Environment Authority's Order No. 301 of 13 May 1993 establishing code numbers with subsequent amendments:**

Determined according to the Executive Order no. 301 of May 13, 1993.

**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.

**Relevant phrases:**

H301 Toxic if swallowed.  
 H302 Harmful if swallowed.  
 H311 Toxic in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.  
 H330 Fatal if inhaled.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H335 May cause respiratory irritation.  
 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:**

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