

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

Printing Date: 17.02.2026

Version Number: 1.0

Revision Date: 17.02.2026

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

1.1 Product identifier:

Trade name: **Chryso®Dem Clarol W31**

UFI: 23X0-W0DU-8002-DNM9

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

Relevant identified uses of the substance or mixture: Release agent

Identified uses advised against: No further relevant information available.

1.3 Details of the supplier of the safety data sheet:

Manufacturer/supplier:

Chryso France
ZA des Foulletons
39140 Larnaud

Tel : +(33) 3 84 48 48 60

Fax : +(33) 3 84 48 48 61

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

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

Flam. Liq. 3 H226 Flammable liquid and vapour.

STOT SE 3 H336 May cause drowsiness or dizziness.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008

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

(Contd. on page 2)

GB

Safety data sheet
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Trade name: Chryso®Dem Clarol W31

(Contd. of page 1)

Hazard pictograms

GHS02 GHS07 GHS08

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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard statements

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard description: Flammable**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:** For further information, please refer to the product technical data sheet.**Dangerous components:**

EC number: 919-857-5 Reg.nr.: 01-2119463258-33-XXXX	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336	50-<100%
EC number: 918-481-9 Reg.nr.: 01-2119457273-39-XXXX	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, < 2% aromatics Asp. Tox. 1, H304 EUH066	1-<3%
CAS: 61791-53-5 EINECS: 263-186-4 Reg.nr.: 01-2119974117-33-XXXX	Amines, N-tallow alkyltrimethylènedi-, oleates STOT RE 2, H373 Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥0.25-<1%

(Contd. on page 3)

Safety data sheet
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Revision Date: 17.02.2026

Trade name: Chryso®Dem Clarol W31

(Contd. of page 2)

CAS: 34140-91-5
 EINECS: 251-846-4
 Reg.nr.: 01-2119974119-29-XXXX

oleic acid compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)
 STOT RE 2, H373
 Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411
 Skin Irrit. 2, H315; Eye Irrit. 2, H319

≥0.1-<0.25%

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:

Harmful: may cause lung damage if swallowed.

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:

CO₂, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water jet.

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.

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:

Prevent seepage into sewage system, workpits and cellars.

(Contd. on page 4)

Safety data sheet
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Version Number: 1.0

Revision Date: 17.02.2026

Trade name: Chryso®Dem Clarol W31

(Contd. of page 3)

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:

Flammable mixtures with air can be formed in emptied containers. Do not puncture, cut, drill, heat or weld uncleaned drums.

Information about fire - and explosion protection:

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Ground and bond container and receiving equipment.

7.2 Conditions for safe storage, including any incompatibilities:

STORAGE

Requirements to be met by storerooms and receptacles: No special requirements.

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.

DNELs

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Dermal	DNEL long term syst.	300 mg/kg bw/d (workers)
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(Contd. on page 5)

Safety data sheet
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as
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Revision Date: 17.02.2026

Trade name: *Chryso®Dem Clarol W31*

(Contd. of page 4)

Inhalative	DNEL long term syst.	1,500 mg/m3 (workers)
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Additional information: Based on the lists valid at the date of SDS creation.

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.

Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

When spraying in areas with inadequate ventilation, operators must wear respiratory protective equipment. To ensure an optimum level of protection, FFP3 masks are strongly recommended.



P3 filter

EN 143.

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

Physical state

Liquid

Colour:

Amber.

(Contd. on page 6)

GB

Safety data sheet

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

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Revision Date: 17.02.2026

Trade name: **Chryso®Dem Clarol W31**

(Contd. of page 5)

Odour:	Characteristic.
Odour threshold:	Not determined
Melting point/Melting range:	Undetermined
Boiling point or initial boiling point and boiling range	180 °C
Flammability	Flammable.
Flammability Limits :	
Lower :	
Lower:	Not determined
Upper:	Not determined
Flash point:	42 °C
Method:	
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined
pH	Mixture is non-soluble (in water).
VISCOSITY	
Kinematic viscosity at 40 °C	<20.5 mm ² /s
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
Vapour density:	Not determined
Particle characteristics	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:	In use, may form flammable/explosive vapour-air mixture.
Change in conditions:-	
Evaporation rate:	Not determined

Information with regard to physical hazard classes

Explosives	Not applicable
Flammable gases	Not classified.
Aerosols	Not classified.
Oxidising gases	Not classified.
Gases under pressure	Not classified.
Flammable liquids	Flammable liquid and vapour.
Flammable solids	Not classified.
Self-reactive substances and mixtures	Not classified.
Pyrophoric liquids	Not classified.
Pyrophoric solids	Not classified.
Self-heating substances and mixtures	Not classified.
Substances and mixtures, which emit flammable gases in contact with water	Not classified.
Oxidising liquids	Not classified.
Oxidising solids	Not classified.

(Contd. on page 7)

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Version Number: 1.0

Revision Date: 17.02.2026

Trade name: Chryso®Dem Clarol W31

(Contd. of page 6)

Organic peroxides
Corrosive to metals
Desensitised explosives

Not classified.
 Not classified.
 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.

10.4 Conditions to avoid:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Dermal	LD50	>5,000 mg/kg (rat)
	LD50	>3,000 mg/kg (rabbit)

61791-53-5 Amines, N-tallow alkyltrimethylènedi-, oleates

	LC50, 96h	>0.1-1 mg/l (fish) (Test Guideline 203)
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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.

Ingestion: Harmful: may cause lung damage if swallowed.

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 May cause drowsiness or dizziness.

(Contd. on page 8)

GB

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Revision Date: 17.02.2026

Trade name: *Chryso®Dem Clarol W31*

(Contd. of page 7)

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity:

AQUATIC TOXICITY

61791-53-5 Amines, N-tallow alkyltrimethylènedi-, oleates

EC50, 72h >0.01-0.1 mg/l (algae)

EC50, 48h >0.1-1 mg/l (daphnia magna)

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

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects:

ADDITIONAL ECOLOGICAL INFORMATION

General notes: Not known to be hazardous to water.

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.

GB
(Contd. on page 9)

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Trade name: *Chryso®Dem Clarol W31*

(Contd. of page 8)

SECTION 14: Transport information

14.1 UN number or ID number ADR, IMDG, IATA	UN1268
14.2 UN proper shipping name ADR, IMDG, IATA	PETROLEUM DISTILLATES, N.O.S.
14.3 Transport hazard class(es) ADR, IMDG, IATA	 Class Label 3 Flammable liquids. 3
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards:	Not applicable
14.6 Special precautions for user: Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Flammable liquids. 30 F-E,S-E A
14.7 Maritime transport in bulk according to IMO instruments	Not Regulated
Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category Tunnel restriction code	3 D/E
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

GB
(Contd. on page 10)

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(Contd. of page 9)

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.

National regulations:

MAL-Code: 5-3

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.

(Contd. on page 11)

GB

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(Contd. of page 10)

Relevant phrases:

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Department issuing SDS:

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GB