

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

Printing date 10.03.2026

Version number 1

Revision: 10.03.2026

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

1.1 Product identifier

Trade name: CHRYSO Dem Clarol W31**Safety data sheet no.:** 358P1148

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

Release agent

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

GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

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



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

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Hazard pictograms



GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
 Hydrocarbons, C10-C13, 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

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
 No smoking.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 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.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

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

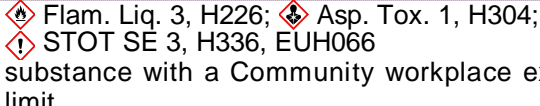
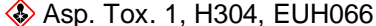
Does not contain substances with endocrine-disrupting properties.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Additive

Dangerous components:

CAS: 64742-48-9 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, EUH066 substance with a Community workplace exposure limit	75-100%
EC number: 918-481-9 Reg.nr.: 01-2119457273-39-xxxx	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics  Asp. Tox. 1, H304, EUH066	2-5%

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CAS: 61791-53-5 EINECS: 263-186-4	Amines, N-tallow alkyltrimethylenedi-, oleates	(Contd. of page 2) ≥0.25-<1%
	⚠ STOT RE 2, H373; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319 Specific concentration limit: STOT RE 2; H373: C ≥50 %	
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)	≥0.1-<0.25%
	⚠ STOT RE 2, H373; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	

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 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 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.

Swallowing can lead to aspiration and chemical pneumonitis.

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

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

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents Water with full jet

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

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Additional information

Cool endangered receptacles with water spray.

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**

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources

6.2 Environmental precautions:

The product must not get into watercourses or into the soil.

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

Prevent seepage into sewage system, workpits and cellars.

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.

Send for recovery or disposal in suitable receptacles.

Dispose of contaminated material as waste according to section 13.

Ensure adequate ventilation.

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.

Use only in well ventilated areas.

Ensure good ventilation/exhaustion at the workplace.

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:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep away from heat, sparks, open flames and hot surfaces.

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:**

Use only receptacles specifically permitted for this substance/product.

Store only in unopened original receptacles.

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Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

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: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
Oral	Derived No Effect Level	46 mg/kgxday (consumer systemic short term value)
Dermal	Derived No Effect Level	77 mg/kgxday (worker systemic long term value)
		46 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	871 mg/m ³ (worker systemic long term value)
		185 mg/m ³ (consumer systemic long term value)
CAS: 34140-91-5 oleic acid compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)		
Oral	Derived No Effect Level	0.05 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	0.014 mg/kgxday (worker systemic long term value)
		0.005 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	0.0984 mg/m ³ (worker systemic long term value)
		0.0174 mg/m ³ (consumer systemic long term value)
PNECs		
CAS: 34140-91-5 oleic acid compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)		
Predicted No-Effect Concentration		1.1 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration		0.00646 mg/l (fresh water rating factor)
CAS No. / Designation of material / % / Type / Value / Unit		
CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
MAK (Germany)	Long-term value: 300 mg/m ³ , 50 ppm vgl. Abschn. 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.

Do not inhale gases / fumes / aerosols.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

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

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Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device.
 In case of intensive or longer exposure use self-contained respiratory protective device.
 Filter P3.

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

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

Physical state	Liquid
Colour:	Amber coloured
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Undetermined
Boiling point or initial boiling point and boiling range	180 °C (DIN)
Flammability	Flammable.
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	42 °C (DIN ISO 2592)
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined
pH	Not determined
Viscosity:	
Kinematic viscosity at 40 °C	<20.5 mm ² /s (DIN ISO 2431)
	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 (DIN 51757)
Relative density	Not determined
Bulk density:	Not applicable.
Vapour density	Not determined

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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 is not explosive. However, formation of explosive air/vapour mixtures are possible.

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	Flammable liquid and vapour.
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 heat, sparkles, naked flame or other sources of ignition.

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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: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics			
Oral	LD50	>15,000 mg/kg	(Rat)
Dermal	LD50	>3,160 mg/kg	(Rabbit)
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics			
Oral	LD50	>15,000 mg/kg	(Rat)
Dermal	LD50	>3,160 mg/kg	(Rabbit)
CAS: 34140-91-5 oleic acid compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)			
Oral	LD50	>2,000 mg/kg	(Rat)
Dermal	LD50	>2,000 mg/kg	(Rat)

Primary irritant effect:

Skin corrosion/irritation

Skin irritation possible due to drying effect.

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 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.

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: Not classified as harmful to aquatic life

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Type of test / Effective concentration / Method / Assessment	
CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
LC50/96h	0.002-0.004 mg/l (aquatic invertebrates)
EC50/48h	0.002-0.004 mg/l (aquatic invertebrates)
NOEC (72h)	3-100 mg/l (aquatic algae and cyanobacteria)
NOEC (21d)	0.23 mg/l (aquatic invertebrates)
EC 10	1,000 mg/l (microorganisms)
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
LC50/96h	0.002-0.004 mg/l (aquatic invertebrates)
EC50/48h	0.002-0.004 mg/l (aquatic invertebrates)
NOEC (72h)	100-1,000 mg/l (aquatic algae and cyanobacteria)
NOEC (21d)	0.176 mg/l (aquatic invertebrates)
EC 10	1,000 mg/l (microorganisms)
CAS: 34140-91-5 oleic acid compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)	
LC50/96h	0.95-1.35 mg/l (Fish)
EC50/96h	0.95-1.35 mg/l (Fish)
EC50/72h	0.00473-0.006 mg/l (aquatic algae and cyanobacteria)
NOEC (14d)	111.1-1,000 mg/l (terrestrial plants)

12.2 Persistence and degradability No further relevant information available.

Method	
CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
Biod. (28 days)	>90 %
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
Biod. (28 days)	>90 %
CAS: 34140-91-5 oleic acid compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)	
Biod. (28 days)	>90 %

12.3 Bioaccumulative potential

CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
EBAB	3.17-6.23 log Pow
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
EBAB	3.17-7.22 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.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

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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

HP3	Flammable
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

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

UN1268

14.2 UN proper shipping name
ADR
IMDG, IATA

1268 PETROLEUM DISTILLATES, N.O.S.
PETROLEUM DISTILLATES, N.O.S.

14.3 Transport hazard class(es)

ADR



Class
Label

3 (F1) Flammable liquids.
3

IMDG, IATA



Class
Label

3 Flammable liquids.
3

14.4 Packing group
ADR, IMDG, IATA

III

14.5 Environmental hazards:

Not applicable

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14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	30
EMS Number:	F-E,S-E
Stowage Category	A
14.7 Maritime transport in bulk according to IMO instruments	Not applicable
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 1268 PETROLEUM DISTILLATES, N.O.S. 3, III

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.

Seveso category P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

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

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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.

- 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.

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Classification according to Regulation (EC) No 1272/2008	
Flammable liquids	Bridging principles
Specific target organ toxicity (single exposure)	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
Aspiration hazard	Expert judgement

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)

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

Flam. Liq. 3: Flammable liquids – Category 3

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

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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute 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.