

# Ultra Clean

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
First edition: 17/09/1997 Last revision: 21/12/2022 Supersedes version of: 14/01/2020 Version: 23.2

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

#### 1.1. Product identifier

Product form : Mixture  
Name : Ultra Clean  
Product number : 04.0155.9999

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Professional use, Industrial use  
Use of the substance or preparation : Ultra Clean is a safe, fast and powerful degreaser and cleaner for almost all dirty parts and surfaces.

##### 1.2.2. Uses advised against

No information available

#### 1.3. Details of the supplier of the safety data sheet

PCS Innotec International NV  
Schans 4  
BE - 2480 Dessel  
T.: +32 (0) 14 32 60 01  
F.: +32 (0) 14 32 60 12  
hse@innotec.eu

#### 1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):  
BIG : +32 (0) 14 58 45 45

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) no 1272/2008 (CLP)

Aerosol 1	H222;H229
Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Chronic 2	H411

Full text of hazard classes, H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

No information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02

GHS07

GHS09

Signal word (CLP)

: Danger

Contains

: Propan-2-ol; Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.

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P251 - Do not pierce or burn, even after use.  
P261 - Avoid breathing spray.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, eye protection, face protection.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 - Call a POISON CENTER, a doctor if you feel unwell.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Extra phrases : Without adequate ventilation formation of explosive mixtures may be possible.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	CAS number: 92128-66-0 EINECS / ELINCS number: 921-024-6 REACH-no: 01-2119475514-35	25 – 50	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Propan-2-ol	CAS number: 67-63-0 EINECS / ELINCS number: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25	10 – 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Ethanol	CAS number: 64-17-5 EINECS / ELINCS number: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	10 – 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Dimethoxymethane	CAS number: 109-87-5 EINECS / ELINCS number: 203-714-2 REACH-no: 01-2119664781-31	10 – 25	Flam. Liq. 2, H225
Carbon dioxide (substance with a Community workplace exposure limit)	CAS number: 124-38-9 EINECS / ELINCS number: 204-696-9	2,5 – 10	Press. Gas (Comp.), H280

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice : Get medical advice/attention if you feel unwell.  
Inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Skin contact : Gently wash with plenty of soap and water. Rinse with plenty of water.  
Eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Ingestion : Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

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

Inhalation : May cause drowsiness or dizziness.

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Skin contact	: Causes skin irritation.
Eyes contact	: Causes serious eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

No information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Carbon dioxide. Alcohol resistant foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: May form flammable/explosive vapour-air mixture.

### 5.3. Advice for firefighters

Firefighting instructions	: Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Wear suitable protective clothing.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Refer to protective measures listed in Sections 7 and 8.
Emergency procedures	: Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This product and its container must be disposed of in a safe way, and as per local legislation. Do not flush with water.
Other information	: Provide adequate ventilation.

### 6.4. Reference to other sections

Stable in use and storage conditions as recommended in item 7. Concerning personal protective equipment to use, see section 8. Concerning disposal/elimination after cleaning, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	: Caution! Container under pressure. Do not pierce or burn, even after use. In use, may form flammable vapour-air mixture. Do not spray on a naked flame or any incandescent material.
Precautions for safe handling	: Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Provide good ventilation in process area to prevent formation of vapour. Take precautionary measures against static discharge. Eliminate all ignition sources if safe to do so.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Do not expose to temperatures exceeding 50 °C. Keep in fireproof place. Smoking is forbidden. Protect from sunlight. Store in a well-ventilated place. Store in a dry place. Keep away from ignition sources.
Technical condition(s)	: Store in a well-ventilated place. The floor of the depot should be impermeable and designed to form a water-tight basin.
Special rules on packaging	: Keep only in original container. Store under dry conditions. Store in a closed container.

### 7.3. Specific end use(s)

No information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

Carbon dioxide (124-38-9)	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	Carbon dioxide
IOEL TWA	9000 mg/m <sup>3</sup>
IOEL TWA [ppm]	5000 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Carbone (dioxyde de)
OEL TWA	9131 mg/m <sup>3</sup>
OEL TWA [ppm]	5000 ppm
OEL STEL	54784 mg/m <sup>3</sup>
OEL STEL [ppm]	30000 ppm
Remark	A
Regulatory reference	Koninklijk besluit/Arrêté royal 19/11/2020
Propan-2-ol (67-63-0)	
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Alcool isopropylique
OEL TWA	500 mg/m <sup>3</sup>
OEL TWA [ppm]	200 ppm
OEL STEL	1000 mg/m <sup>3</sup>
OEL STEL [ppm]	400 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 19/11/2020
Ethanol (64-17-5)	
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Alcool éthylique
OEL TWA	1907 mg/m <sup>3</sup>
OEL TWA [ppm]	1000 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021
Dimethoxymethane (109-87-5)	
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Méthylal
OEL TWA	3155 mg/m <sup>3</sup>
OEL TWA [ppm]	1000 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 19/11/2020

##### 8.1.2. Recommended monitoring procedures

No information available

##### 8.1.3. Air contaminants formed

No information available

##### 8.1.4. DNEL and PNEC

Propan-2-ol (67-63-0)	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	888 mg/kg bodyweight/day

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Propan-2-ol (67-63-0)	
Long-term - systemic effects, inhalation	500 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	89 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	319 mg/kg bodyweight/day
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	773 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2035 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	699 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	608 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	699 mg/kg bodyweight/day

### 8.1.5. Control banding

No information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

In case of inadequate ventilation wear respiratory protection. Gloves. Safety glasses.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Wear security glasses which protect from splashes. EN 166

#### 8.2.2.2. Skin protection

##### Skin protection:

EN 13034. Wear suitable protective clothing

##### Hand protection:

Where hand contact with the product may occur, the use of gloves (approved according to the EN374 standard) made from the following materials may provide suitable chemical protection: Nitrile rubber. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes. For short-term/splash protection we recommend the same, but recognise that suitable gloves offering this level of protection may not be available. In this case a lower breakthrough time may be acceptable as long as appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Depending on model and material, glove thickness generally should be greater than 0,35 mm. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Recommended: filter type AX/P2. Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV

#### 8.2.2.4. Thermal hazards

No information available

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### 8.2.3. Environmental exposure controls

No information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Clear.
Appearance	: Aerosol.
Odour	: characteristic.
Odour threshold	: Not available
Melting point/melting range	: Not available
Freezing point	: Not available
Boiling point/range	: Not applicable, since the product is an aerosol.
Flammability	: Not available
Explosive limits	: 0,8 – 19,9 vol %
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable, since the product is an aerosol.
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not determined
Solubility	: Water: Not miscible or difficult to mix.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 440 hPa (20 °C)
Vapour pressure at 20 °C	: Not available
Density	: Not available
Relative density (water = 1)	: 0,79 (20 °C)
Vapour density	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

Explosion limits : 0,8 – 19,9 vol %

#### 9.2.2. Other safety characteristics

V.O.C. (V.O.S.) : 755,6 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. In use, may form flammable/explosive vapour-air mixture.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No information available

### 10.4. Conditions to avoid

No information available

### 10.5. Incompatible materials

No information available

### 10.6. Hazardous decomposition products

No information available

## SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

#### Propan-2-ol (67-63-0)

LD50/oral/rat	5840 mg/kg
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Propan-2-ol (67-63-0)	
LD50/dermal/rabbit	13900 mg/kg
LC50 inhalation rat	25000 mg/m³ (6h)
Ethanol (64-17-5)	
LD50/oral/rat	7060 mg/kg
LC50/inhalation/4h/rat	20000 mg/l/4h
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)	
LD50/oral/rat	> 5840 mg/kg
LD50/dermal/rabbit	> 2920 mg/kg
LC50/inhalation/4h/rat	> 25 mg/l
Dimethoxymethane (109-87-5)	
LD50/oral/rat	3500 mg/kg
LD50/dermal/rabbit	≥ 5000 mg/kg
LC50/inhalation/4h/rat	≥ 50 mg/l
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
Propan-2-ol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Ultra Clean	
Viscosity, kinematic	Not determined
<b>11.2. Information on other hazards</b>	
No information available	
<b>SECTION 12: Ecological information</b>	
<b>12.1. Toxicity</b>	
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.
Propan-2-ol (67-63-0)	
LC50/96h/fish	9640 mg/l (Pimephales promelas)
LC50 - Other aquatic organisms [1]	9714 mg/l (24h, Daphnia magna)
LOEC (chronic)	1000 mg/l (8 days, Algae)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)	
LC50/96h/fish	11,4 mg/l (Oncorhynchus mykiss)
EC50/48h/daphnia magna	3 mg/l
EC50 - Other aquatic organisms [1]	30 – 100 mg/l (72h, Pseudokirchneriella subcapitata)
LOEC (chronic)	0,32 mg/l (21 days, Daphnia magna)

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Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)

NOEC (chronic)

0,17 mg/l (21 days, Daphnia magna)

### 12.2. Persistence and degradability

No information available

### 12.3. Bioaccumulative potential

No information available

### 12.4. Mobility in soil

No information available

### 12.5. Results of PBT and vPvB assessment

No information available

### 12.6. Endocrine disrupting properties

No information available

### 12.7. Other adverse effects

Additional information

: Toxic to fish. Danger to drinking water, even if small amounts leak into the subsoil. Toxic to aquatic organisms. Avoid release to the environment. Also poisonous for fish and plankton in water bodies.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)

: Disposal must be done according to official regulations.

Waste / unused products

: Avoid release to the environment. Should not be landfilled with household waste.

European List of Waste (LoW) code

: 07 06 04\* - other organic solvents, washing liquids and mother liquors  
15 01 04 - metallic packaging

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

### 14.1. UN number or ID number

UN-No. (ADR)

: UN 1950

UN-No. (IMDG)

: UN 1950

UN-No. (IATA)

: UN 1950

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)

: AEROSOLS, flammable

Proper Shipping Name (IMDG)

: AEROSOLS

Proper Shipping Name (IATA)

: Aerosols, flammable

Transport document description (ADR)

: UN 1950 AEROSOLS, flammable, 2.1, (D)

Transport document description (IMDG)

: UN 1950 AEROSOLS, 2

Transport document description (IATA)

: UN 1950 Aerosols, flammable, 2.1

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR)

: 2.1

Danger labels (ADR)

: 2.1



#### IMDG

Transport hazard class(es) (IMDG)

: 2.1

Danger labels (IMDG)

: 2.1



#### IATA

Transport hazard class(es) (IATA)

: 2.1

Danger labels (IATA)

: 2.1



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### 14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

### 14.5. Environmental hazards

Dangerous for the environment	: Yes (Environmentally hazardous substances derogation applies (quantity of liquids $\leq$ 5 litres or net mass of solids $\leq$ 5 kg). The environmentally hazardous substance mark is therefore not required, as stated in the ADR regulation, section 5.2.1.8.1.)
Marine pollutant	: Yes (IMDG 5.2.1.6.1 derogation applies (quantity of liquids $\leq$ 5 litres or net mass of solids $\leq$ 5 kg))
Further information	: No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: 5F
Limited quantities (ADR)	: 1I
Transport category (ADR)	: 2
Tunnel restriction code	: D

#### Transport by sea

Limited quantities (IMDG)	: 1 L
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U

#### Air transport

No data available

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU Regulations

Ingredients according to the Regulation (EC) :  $\geq$  30% aliphatic hydrocarbons  
648/2004 on detergents

#### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

#### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### VOC Directive (2004/42)

V.O.C. (V.O.S.) : 755,6 g/l

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### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

No information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Last revision		
	Supersedes		
2.3			
8.1			
8.2			
9.1			
9.2			
11.2.			
12.6			
12.7			
15			
16			

### Abbreviations and acronyms:

	ACGIH = American Conference of Governmental Industrial Hygienists
	ADR = Accord européen sur le transport des marchandises dangereuses par Route
	ATE = Acute Toxicity Estimate
	CAS = Chemical Abstracts Service
	CLP = Classification, labelling and packaging
	CSR = Chemical Safety Report
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No-Effect Level
	DPD = Dangerous Preparation Directive
	DSD = Dangerous Substance Directive
	EINECS/ELINCS = European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
	HTP = Haitallisiksi tunnetut pitoisuudet
	IATA = International Air Transport Association
	ICAO = International Civil Aviation Organization
	IMDG = International Maritime Code for Dangerous Goods
	IOELV = Indicative Occupational Exposure Limit Value (EU)
	LC50 = Lethal concentration, 50 percent
	LD50 = Lethal dose, 50 percent

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Abbreviations and acronyms:	
	LEL = Lower Explosion Limit
	MAK = Maximale Arbeitsplatzkonzentrationen
	MAL-kode = Måleteknisk Arbejdshygiejnisk Luftbehov
	N.O.S. = Not Otherwise Specified
	NDS = Najwyższe Dopuszczalne Stężenie
	NDSch = Najwyższe Dopuszczalne Stężenie Chwilowe
	OEL = Occupational Exposure Limits
	PBT = Persistent, bioaccumulative and toxic
	PNEC = Predicted No-Effect Concentration
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
	STOT RE = specific target organ toxicity repeated exposure
	STEL = Short term exposure limit
	STOT SE = specific target organ toxicity single exposure
	SVHC = Substance of Very High Concern
	TLV = Threshold Limit Value
	TRGS = Technischen Regeln für Gefahrstoffe
	TWA = time weighted average
	UEL = Upper Explosion Limit
	VLA-EC = valores límite ambientales para la exposición de corta duración
	VLA-ED = valores límite ambientales para la exposición diaria
	VLE = Valeur Limite d'exposition
	VME = Valeur Limite de Moyenne d'exposition
	VOC = Volatile Organic Compounds
	vPvB = very Persistent and very Bioaccumulative
	WGK = Wassergefährdungsklasse

Full text of H- and EUH-statements:	
Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
Press. Gas (Comp.)	Gases under pressure : Compressed gas

# Ultra Clean

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Full text of H- and EUH-statements:

Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

### Disclaimer with regard to REACH:

The information provided in this Safety Data Sheet is consistent with the information in the Chemical Safety Report, as far as this information was available at the time of compilation (see last revision date).

### Disclaimer:

The information of this Safety Data Sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this Safety Data Sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.