

**Ultra Clean liquid**

Material number 830-3

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name: Ultra Clean liquid

UFI: 2410-X0YK-W00C-EW33

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

General use: Cleaning agent, Degreaser

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

Company name: EUROTECH Maier Ernst GmbH

Street/POB-No.: Herrschaftswiesen 5

Postal Code, city: AT-6842 Koblach

WWW: www.eurotech.at

E-mail: office@eurotech.at

Telephone: +43 (0)5523 53852

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Department responsible for information:

Telephone: +43 (0)5523 53852, Email: office@eurotech.at

Additional information: This safety data sheet pertains to the following products:

830001 Ultra Clean 1 litre can

830010 Ultra Clean 10 litre container

830025 Ultra Clean 25 litre container

830060 Ultra Clean 60 litre barrel

830250 Ultra Clean 200 litre barrel

**1.4 Emergency telephone number**

Giftzentrale Wien, Telephone: +43 (0)1-4064343

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to EC regulation 1272/2008 (CLP)**

Flam. Liq. 2; H225	Highly flammable liquid and vapour.
Skin Irrit. 2; H315	Causes skin irritation.
Skin Sens. 1; H317	May cause an allergic skin reaction.
STOT SE 3; H336	May cause drowsiness or dizziness.
Asp. Tox. 1; H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 2; H411	Toxic to aquatic life with long lasting effects.

**2.2 Label elements****Labelling (CLP)**

Signal word:

**Danger**



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

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Hazard statements:	H225 H304 H315 H317 H336 H411	Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.
Precautionary statements:	P210  P261 P271 P273  P301+P310 P331  P403+P235 P405  P501	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing vapours. Use only outdoors or in a well-ventilated area. Avoid release to the environment.  IF SWALLOWED: Immediately call a POISON CENTER. Do NOT induce vomiting.  Store in a well-ventilated place. Keep cool. Store locked up.  Dispose of contents/container to hazardous or special waste collection point.

### Special labelling

Text for labelling: Contains Naphtha (petroleum), hydrodesulfurized heavy and Orange, sweet, ext..

### 2.3 Other hazards

Potentially explosive mixtures may form if adequate ventilation is not provided.  
Inhaling can lead to irritations of the respiratory tract and mucous membrane.  
Higher doses may lead to a narcotic effect.

Results of PBT and vPvB assessment:

No data available

## SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: A mixture of terpenes, petrols and alcohols.

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 265-151-9 CAS 64742-49-0	Naphtha, hydrotreated, light	50 - 80 %	Flam. Liq. 2; H225. Skin Irrit. 2; H315. STOT SE 3; H336. Asp. Tox. 1; H304. Aquatic Chronic 2; H411.
EC No. 200-578-6 CAS 64-17-5	Ethanol	20 - 30 %	Flam. Liq. 2; H225.
EC No. 232-433-8 CAS 8028-48-6	Orange, sweet, ext.	1 - 10 %	Flam. Liq. 3; H226. Skin Irrit. 2; H315. Skin Sens. 1; H317. Asp. Tox. 1; H304. Aquatic Acute 1; H400 (M-factor = 1). Aquatic Chronic 1; H410 (M-factor = 1).

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



## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General information: IF exposed or concerned: Get medical advice/attention. First aider: Pay attention to self-protection!
- In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical aid in case of troubles. If breathing becomes irregular or ceases, apply rescue breathing or artificial respiration immediately, where required supply oxygen.
- Following skin contact: After contact with skin, wash immediately with soap and plenty of water. Take off immediately all contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently seek the immediate attention of an ophthalmologist.
- After swallowing: Do not induce vomiting. Never give anything by mouth to an unconscious person. Immediately get medical attention. When swallowed and vomited immediately, aspiration into the lungs may occur resulting in chemical pneumonia or suffocation.

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

Causes skin irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Inhaling can lead to irritations of the respiratory tract and mucous membrane. Higher doses may lead to a narcotic effect.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media:

water spray jet, foam, extinguishing powder, Carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

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

Highly flammable liquid and vapour.

With air, vapours form potentially explosive mixtures, which are heavier than air.

Vapours may proceed on the ground over great distances and cause fire and backflashes.

In case of fire may be liberated: Carbon monoxide and carbon dioxide.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

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Additional information: Hazchem-Code: •3YE  
Heating will lead to pressure increase: Danger of bursting and explosion. Use fine water spray to cool endangered containers.  
Move undamaged containers from immediate hazard area if it can be done safely.  
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.  
Do not allow fire water to penetrate into surface or ground water.  
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

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

Do not breathe vapours. Avoid contact with the substance.  
Eliminate all ignition sources if safe to do so. Provide adequate ventilation.  
Wear appropriate protective equipment. Keep unprotected people away.  
Cordon off downwind area at risk and warn inhabitants. Take off immediately all contaminated clothing and wash it before reuse.

**6.2 Environmental precautions**

Do not allow to enter into ground-water, surface water or drains. Danger of explosion!  
In case of release, notify competent authorities.

**6.3 Methods and material for containment and cleaning up**

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Beware of reignition. Thoroughly clean surrounding area. In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

Additional information: Use explosion-proof equipment and non-sparking tools/utensils.

**6.4 Reference to other sections**

Refer additionally to section 8 and 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe vapours. Avoid contact with skin and eyes. Wear appropriate protective equipment. Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Work place should be equipped with a shower and an eye rinsing apparatus. Wash hands thoroughly after handling.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.  
Take precautionary measures against static discharges.  
Use only explosion-protected equipment/instruments. Do not weld.  
In partially filled containers explosive mixtures may form.



## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

- Keep container tightly closed and in a well-ventilated place.
- Keep container dry. Keep only in the original container.
- Protect from heat and direct sunlight.
- Store containers in upright position. Explosion protection required.

Hints on joint storage:

- Do not store together with combustible or self-igniting materials or any highly flammable solids.
- Do not store together with oxidizing agents.
- Keep away from food, drink and animal feedingstuffs.

## 7.3 Specific end use(s)

No information available.

# SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64742-49-0	Naphtha, hydrotreated, light	Great Britain: WEL-TWA	1800 mg/m <sup>3</sup> (C5-C6 alkenes)
64-17-5	Ethanol	Great Britain: WEL-TWA Ireland: 15 minutes	1920 mg/m <sup>3</sup> ; 1000 ppm 1000 ppm

## 8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment. Explosion protection required.

## Personal protection equipment

### Occupational exposure controls

**Respiratory protection:** Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A (= against vapours of organic substances) according to EN 14387.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

**Hand protection:** protective gloves according to EN 374

Glove material: Nitrile rubber - Breakthrough time: > 480 min.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

**Eye protection:** Tightly sealed goggles according to EN 166

**Body protection:** Flame retardant, antistatic and chemical resistant protective clothing.

**General protection and hygiene measures:**

Use only non-sparking tools. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Do not breathe vapour/aerosol. Avoid contact with skin and eyes.

Take off immediately all contaminated clothing. When using do not eat, drink or smoke.

Wash hands before breaks and after work. Work place should be equipped with a shower and an eye rinsing apparatus.



## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C and 101.3 kPa: liquid Colour: colourless
Odour:	similar to benzene, lemon-like
Odour threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	> 60 °C
Flash point/flash point range:	-30 °C
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	LEL (Lower Explosion Limit): (naphtha) 0.80 Vol-% UEL (Upper Explosive Limit): (ethanol) 19.00 Vol-%
Vapour pressure:	at 20 °C: 167 hPa
Vapour density:	No data available
Density:	at 20 °C: 0.71 g/mL
Water solubility:	at 20 °C: partially soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing characteristics:	No data available

### 9.2 Other information

Ignition temperature:	> 250 °C
Solvent content:	100 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Highly flammable liquid and vapour.  
Vapours can form explosive mixtures with air.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Heating will lead to pressure increase: Danger of bursting and explosion.

### 10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.  
Protect from direct sunlight.



## 10.5 Incompatible materials

Oxidising agent.

## 10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: No data available

# SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

ATEmix calculated: > 2000 mg/kg

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

ATEmix calculated: > 2000 mg/kg

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

ATEmix calculated (Vapours): > 20 mg/L

Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): STOT SE 3; H336 = May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Asp. Tox. 1; H304 = May be fatal if swallowed and enters airways.

Other information: Information about Naphtha (petroleum), hydrotreated light:

LD50 Rat, oral: > 5000 mg/kg (OECD 401)

LD50 Rabbit, dermal: > 2000 mg/kg (OECD 402)

LC50 Rat, inhalative (Vapours): > 5.61 mg/L/4h

Information about Ethanol:

LD50 Rat, oral: 7060 mg/kg

LD50 Rabbit, dermal: > 17100 mg/kg

LC50 Rat, inhalative (Vapours): > 117 - 125 mg/L/4h (OECD 403)

Information about Orange, sweet, ext.:

LD50 Rat, oral: > 5000 mg/kg

LD50 Rabbit, dermal: > 5000 mg/kg

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**Symptoms**

In case of inhalation: Nausea, stomachache, vomiting, unconsciousness.

Danger of serious damage to health by prolonged exposure.

In case of ingestion: Nausea, vomiting. Danger of aspiration!

After contact with skin: Irritant.

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

After eye contact: Irritation and redness may occur.

**SECTION 12: Ecological information****12.1 Toxicity**

Aquatic toxicity: Toxic to aquatic life with long lasting effects.

**12.2 Persistence and degradability**

Further details: Product is not readily biodegradable.

**12.3 Bioaccumulative potential**

Partition coefficient: n-octanol/water:

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

No data available

**12.6 Other adverse effects**

General information: Do not allow to enter into ground-water, surface water or drains.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Waste key number: 07 01 04\* = organic solvents, halogen-free  
\* = Evidence for disposal must be provided.

Recommendation: Recycling or special waste incineration.  
Dispose of waste according to applicable legislation.  
Do not dispose of with household waste.  
Do not empty into drains.

**Package**

Recommendation: Dispose of waste according to applicable legislation.  
Handle contaminated packages in the same way as the substance itself.  
Handle empty containers with care. Incineration may cause explosion.



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**SECTION 14: Transport information****14.1 UN number**

ADR/RID, IMDG, IATA-DGR:

UN 1993

**14.2 UN proper shipping name**

ADR/RID, IMDG, IATA-DGR:

UN 1993, FLAMMABLE LIQUID, N.O.S. (naphtha and ethanol)

**14.3 Transport hazard class(es)**

ADR/RID:

Class 3, Code: F1

IMDG:

Class 3, Subrisk -

IATA-DGR:

Class 3

**14.4 Packing group**

ADR/RID, IMDG, IATA-DGR:

II

**14.5 Environmental hazards**

Marine pollutant:

yes

**14.6 Special precautions for user****Land transport (ADR/RID)**

Warning board:

ADR/RID: Kemmler-number 33, UN number UN 1993

Hazard label:

3

Special provisions:

274 601 640D

Limited quantities:

1 L

EQ:

E2

Package - Instructions:

P001 IBC02 R001

Special provisions for packing together:

MP19

Portable tanks - Instructions:

T7

Portable tanks - Special provisions:

TP1 TP8 TP28

Tank coding:

LGBF

Tunnel restriction code:

D/E

**Sea transport (IMDG)**

EmS:

F-E, S-E

Special provisions:

274

Limited quantities:

1 L

Excepted quantities:

E2

Package - Instructions:

P001

Package - Provisions:

-

IBC - Instructions:

IBC02

IBC - Provisions:

-

Tank instructions - IMO:

-

Tank instructions - UN:

T7

Tank instructions - Provisions:

TP1, TP8, TP28

Stowage and handling:

Category B.

Properties and observations:

-

Segregation group:

none

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**Air transport (IATA)**

Hazard label:	Flamm. liquid
Excepted Quantity Code:	E2
Passenger and Cargo Aircraft: Ltd.Qty.:	Pack.Instr. Y341 - Max. Net Qty/Pkg. 1 L
Passenger and Cargo Aircraft:	Pack.Instr. 353 - Max. Net Qty/Pkg. 5 L
Cargo Aircraft only:	Pack.Instr. 364 - Max. Net Qty/Pkg. 60 L
Special provisions:	A3
Emergency Response Guide-Code (ERG):	3H

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations - Great Britain**Hazchem-Code: •3YE  
No data available**National regulations - EC member states**Volatile organic compounds (VOC):  
100 % by weight = 712 g/L**Labelling of packaging with <= 125mL content**

Signal word:	<b>Danger</b>
Hazard statements:	H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H336 May cause drowsiness or dizziness.
Precautionary statements:	P261 Avoid breathing vapours. P271 Use only outdoors or in a well-ventilated area. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER. P331 Do NOT induce vomiting. P405 Store locked up. P501 Dispose of contents/container to hazardous or special waste collection point.
Further regulations, limitations and legal requirements:	Use restriction according to REACH annex XVII, no.:

**15.2 Chemical Safety Assessment**

For this mixture a chemical safety assessment is not required.

**SECTION 16: Other information****Further information**

Wording of the H-phrases under paragraph 2 and 3:

- H225 = Highly flammable liquid and vapour.
- H226 = Flammable liquid and vapour.
- H304 = May be fatal if swallowed and enters airways.
- H315 = Causes skin irritation.
- H317 = May cause an allergic skin reaction.
- H336 = May cause drowsiness or dizziness.
- 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.

Abbreviations and acronyms:

- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- OEL: Occupational Exposure Limit Value
- AS/NZS: Australian Standards/New Zealand Standards
- ATEmix: Acute Toxicity Estimate of mixture
- CAS: Chemical Abstracts Service
- CFR: Code of Federal Regulations
- CLP: Classification, Labelling and Packaging
- DMEL: Derived minimal effect level
- DNEL: Derived no-effect level
- EC: European Community
- EN: European Standard
- EU: European Union
- IATA: International Air Transport Association
- IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
- IMDG Code: International Maritime Dangerous Goods Code
- LC50: Median lethal concentration
- LD50: Lethal dose 50%
- LEL: Lower Explosion Limit
- MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
- M-factor: Multiplication factor
- OSHA: Occupational Safety and Health Administration
- PBT: Persistent, bioaccumulative and toxic
- PNEC: Predicted no-effect concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
- STOT SE: Specific target organ toxicity - single exposure
- TLV: Threshold Limit Value
- UN: United Nations
- vPvB: Very persistent and very bioaccumulative
- WEL: Workplace Exposure Limit



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

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## Ultra Clean liquid

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Reason of change: Changes in section 2: labelling  
Changes in section 15: Regulatory information  
General revision

Date of first version: 22/9/2001

### Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.