



## SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH) with its amendment by Regulation (EC) No. 453/2010 & 1272/2008

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

#### 1.1. Product identifier

Product Name	UltraClean X792
Product form	Mixture
Product group	Blend

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

Identified Uses	No additional information available
Uses advised against	No additional information available

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

Supplier	Meon Ltd. Railside Northharbour Spur Portsmouth PO6 3TU +44 (0) 23 9220 0606 mail@meonuk.com
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#### 1.4. Emergency Telephone Number

Emergency telephone	+44 (0) 808 118 1922
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### SECTION 2: Hazards identification

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

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

Flammable liquids, Category 2	H225
Aspiration Toxicity, Category 1	H304
Acute Dermal Tox, Category 4	H312
Acute Inhalation Tox, Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Reproductive toxicity, Category 2	H361
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity — Repeated exposure, Category 2	H373

Full text of H statements: see section 16

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Adverse Physicochemical, human health and environmental effects  
Highly flammable liquid and vapour  
May cause drowsiness or dizziness.

### 2.2. Label Elements according to Regulation (EC) No. 1272/2008 [CLP]

#### Hazard pictograms (CLP)



#### Signal word (CLP)

Danger

#### Hazardous Ingredients

Toluene, Acetone, Xylene, Methanol, Ethyl Acetate, Isopropanol, Dichloromethane

#### Hazard statements (CLP)

H225 - Highly flammable liquid and vapor  
H304 – May be fatal if swallowed and enters airways.  
H312 + H332 Harmful in contact with skin or if inhaled  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H361 - Suspected of damaging fertility or the unborn child  
H373 - May cause damage to organs through prolonged or repeated exposure  
H412 Harmful 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  
P240 - Ground/bond container and receiving equipment  
P243 – Take precautionary measures against static discharge  
P233 – Keep container tightly closed  
P241 – Use explosion proof electrical/ventilating/lighting/equipment  
P242 – Use only non-sparking tools  
P261 – Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 - Wash ... thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P313 – Get medical advice  
P301 + P330 + P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P303 + P361 + P353 – IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water / shower.  
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/doctor/... if you feel unwell  
P337 - If eye irritation persists: Get medical advice/attention  
P370+P378 - In case of fire: Use ... to extinguish  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
P403 + P235 - Store in a well-ventilated place. Keep cool  
P405 - Store locked up  
P501 - Dispose of contents/container to ...

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### 2.3. Other hazards

No additional information available.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

#### 3.2. Mixtures

Substance	Product identifier CAS No EC No EC index No	%	Classification according to Regulation (EC) No.1272/2008 [CLP]
<b>Xylenes</b>	1330-20-7 215-535-7 601-022-00-9	1 - <3%	Flam. Liq. 3 (H226), Asp. Tox. 1 (H304) Acute Tox. 4 (H312), Acute Tox. 4 (H332) Skin Irrit. 2 (H315), Eye Irrit. 2 (H319) STOT SE 3 (H335), STOT RE 23 (H373) Aquatic Chronic 3 (H412)  GHS02 GHS07 Wng
<b>Propan-2-one, Propanone, Acetone</b>	67-64-1 200-660-2 606-001-00-8	5 - <10%	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE3: H336  GHS02 GHS07 Dgr  EUH066
<b>Toluene</b>	108-88-3 203-625-9 601-021-00-3	10 - <20%	Flam. Liq. 2, H225, Repr. 2, H361d Asp. Tox. 1, H304, STOT RE 2, H373 Skin Irrit. 2, H315, STOT SE 3, H336  GHS02 GHS08 GHS07 Dgr
<b>Isopropanol</b>	67-63-0 200-661-7 603-117-00-0	5 - <10%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336  GHS02 GHS07 Dgr

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<b>Methanol</b>	67-56-1 200-659-6 603-001-00-X	1 - <10%	Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 STOT SE 1, H370  GHS02 GHS06 GHS08 Dgr
<b>Ethyl Acetate</b>	141-78-6 205-500-4 607-022-00-5	1 - <3%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336  GHS02 GHS07 Dgr  EUH066
<b>Dichloromethane</b>	75-09-2 200-838-9 602-004-00-3	1 - <10%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351  GHS08 Wng

### SECTION 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

#### 4.1. Description of first aid measures

<b>General</b>	Remove affected person from source of contamination. If symptoms persist call a doctor.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing Get medical attention. If not breathing, give artificial respiration Risk of serious damage to the lungs (by aspiration)
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes If skin irritation persists, call a doctor.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes If symptoms persist seek medical attention.
<b>Self-protection of the first aider</b>	Ensure the medical personal are aware of the material(s) involved Take precaution to protect themselves and prevent spread of contamination.

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

<b>General Information</b>	The severity of the symptoms described will vary dependent of the concentration and the length of exposure.
<b>Inhalation</b>	Acute: Vapors may cause headache, fatigue, dizziness and nausea Irritation of nose, throat and airway Delayed: Central nervous system depression.
<b>If ingested</b>	Acute: Nausea vomiting, headache, drowsiness, irritation of mouth, throat and oesophagus. Delayed: Pulmonary edema, coma, liver and kidney damage.
<b>Skin contact</b>	Acute: Redness and skin irritation Delayed: Skin dryness and dermatitis
<b>Eye contact</b>	Acute: irritating and may cause redness and pain Delayed: May cause conjunctivitis

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

Hand / Eye wash facilities must be in place close to operators work area to provide immediate first aid prior to medical attention. Severe cases of eye contact and ingestion should receive medical attention immediately.

<b>Notes to Doctor</b>	Treat symptomatically  Symptoms may be delayed.
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## **SECTION 5: Firefighting measures**

Flammable. Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Water spray Alcohol resistant foam Carbon dioxide (CO <sub>2</sub> ) Water mist may be used to cool closed containers. DO NOT USE a solid water stream as it may scatter and spread fire
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### **5.2. Special hazards arising from the substance or mixture**

Highly flammable liquid and vapor.  
Containers may explode when heated.  
Vapors may form explosive mixtures with air.  
Vapors may travel to source of ignition and flash back.

### **5.3. Advice for firefighters**

Evacuate area.  
Containers close to the fire should be cooled with water if safe to do so.  
Be aware that any flammable substance containers are liable to explode when heated.  
Prevent run-off from entering drains and watercourses.  
Be aware of dangers from other hazardous substances in the immediate area.

#### **Protective measures in Fire**

Do not attempt to take action without suitable protective equipment.  
Self-contained breathing apparatus.

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### **5.4. Additional Information**

Do not allow run-off from firefighting to enter drains or water courses.  
Dispose of waste in accordance with environmental legislation.

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## **SECTION 6: Accidental release measures**

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

#### **For non-emergency personnel**

Evacuate personnel.

Use protective clothing and equipment as described in section 8 of this datasheet.

Restrict access to the area until the spillage is treated.  
Isolate all sources of ignition and provide adequate ventilation.

Avoid ingestion, inhalation of vapors and contact with skin and eyes.

If large amounts of vapors are produced that will be hazardous to others evacuate the area.

Use suitable respiratory equipment if spillages occur in enclosed spaces and vapors are produced.

Have emergency procedures in place for treating spillages evacuating the area and informing the emergency services if necessary.

#### **For emergency responders**

Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

### **6.2. Environmental precautions**

Do not allow spilled material to enter drains sewers or water courses.

Cover all drains and sewers

Avoid spreading material

Contain spillages with sand, earth or suitable absorbent material

Prevent further spillage if safe to do so

In the event of contamination of watercourses or sewers, advise the Environment Agency fire brigade and police

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

Isolate all ignition sources.

Avoid heat, flames, sparks and static discharge.

NO SMOKING.

Small spillages Absorb with inert, non-combustible material.

Large spillages Dam and absorb spillages with sand, earth or other inert non-combustible material.

Find drain covers where they are available.

Provide adequate ventilation.

Any extraction systems use to ventilate the area must be flameproof.

Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

Ensure there are no ignition or heat sources in the waste storage area.

Wash spillage site with water and detergent; be aware of the potential surfaces to become slippery.

After spillages in enclosed areas test atmosphere before using any potential ignition sources.

Ventilate area and allow to dry before allowing access.

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## 6.4. Reference to other sections

See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

Requirements relating to storage premises apply to all facilities where the mixture is handled.

### 7.1. Precautions on safe handling

#### Advice on safe handling

Handle empty containers with care because residual vapors are flammable.  
No naked lights. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

#### Hygiene measures

Wash contaminated clothing thoroughly before reuse.

#### Information on fire and explosion protection

Vapors are heavier than air and may spread along floors.  
Vapors may form explosive mixtures with air.  
When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapor in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapor concentration has fallen below the exposure limits.

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

#### Storage conditions

Storage of flammable liquids.  
Store in a dry, cool and well-ventilated place.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
Do not store near or with any of the incompatible materials listed in section 10.  
Keep container tightly closed in a dry and well-ventilated place.

#### Packaging material

Keep only in the original container.

### 7.3. Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Substance		(UK)	(EU)	(IRE)	
Xylenes	STEL	100 ppm (15 min)	100 ppm (15 min)	100 ppm (15 min)	Skin
	STEL	441 mg/m <sup>3</sup> (15 min)	442 mg/m <sup>3</sup> (15 min)	442 mg/m <sup>3</sup> (15 min)	
	TWA	50 ppm (5hr)	50 ppm (8hr)	50 ppm (8hr)	
	TWA	220 mg/m <sup>3</sup> (5hr)	221 mg/m <sup>3</sup> (8hr)	221 mg/m <sup>3</sup> (8hr)	

List source(s):

EU – Commission Directive (EU) 2019-1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council directive 98/24/EC and amending Commission Directive 2000/39/EC.

UK – EH40/2005 Work Exposure Limits, Third edition. Published 2018

IRE – 2018 Code of Practice for the Chemical Agents Regulations, Schedule 1. Published by the Health and Safety Authority

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Substance	UK	EU
Xylenes	Methyl hippuric acid: 650 mmol/mol Creatinine urine post shift	

### Monitoring methods

BS EN 14042:2003 Title identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents  
 MDHS70 General methods for sampling airborne gases and vapours  
 MDHS 88 Volatile organic compounds in air. Laboratory method using diffusive samplers, solvent desorption and gas chromatography.  
 NDHS 96 Volatile organic compounds in air – Laboratory method using pumped solid sorbent tubes solvent desorption and gas chromatography.

### Derived No Effect Level (DNEL)

Monitoring methods				
Industry	Inhalation	Short Term	289 (systemic and local)	mg/m <sup>3</sup>
Industry	Dermal	Long Term	289 (systemic)	mg/kg/day
Industry	Inhalation	Long Term	77	mg/m <sup>3</sup>
Consumer	Inhalation	Short Term	174 (systemic and local)	mg/m <sup>3</sup>
Consumer	Dermal	Long Term	108 (systemic)	mg/kg/day
Consumer	Inhalation	Long Term	14.8 (systemic)	mg/m <sup>3</sup>
Consumer	Oral	Long Term	1.6 (systemic)	mg/kg/day

Predicted No Effect Level (PNEC)		
Freshwater	0.327	mg/l
Marine water	0.327	mg/l
Microorganisms in sewage treatment	6.58	mg/l
Sediment (freshwater)	12.46	mg/kg dw
Sediment (Marine water)	12.46	mg/kg dw
Soil	2.31	mg/kg dw

Propan-2-one, propanone, Acetone	Local name	Acetone
EU	IOELV TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	500 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE 20200/39/EC
Germany	TRGS 910 Acceptable concentration notes	
UK	WEL TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
UK	WEL TWA (ppm)	500 ppm
UK	WEL STEL (mg/m <sup>3</sup> )	3260 (mg/m <sup>3</sup> )
UK	WEL STEL (ppm)	1500 ppm
UK	Regulatory reference	EH40/2005 (third edition, 2018) HSE

### Derived No Effect Level (DNEL) Derived Minimal Effect Level (DMEL)

DNEL/DMEL – workers	Acute – Local effects, inhalation Long term – systemic effects, dermal Long term – systemic effects, oral	2420 mg/m <sup>3</sup> 186 mg/kg bodyweight/day 1210 mg/m <sup>3</sup>
DNEL/DMEL – general population	Long term – systemic effects, oral Long term – systemic effects, Inhalation Long term – systemic effects, dermal	62 mg/kg bodyweight/day 200 mg/m <sup>3</sup> 62 mg/kg bodyweight/day



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PNEC (Water)	
PNEC aqua (freshwater)	10.6 mg/l
PNEC aqua (marine water)	1.06 mg/l
PNEC aqua (intermittent, freshwater)	21 mg/l

PNEC (Sediment)	
PNEC aqua (freshwater)	30.4 mg/kg dwt
PNEC aqua (marine water)	3.04 mg/kg dwt

PNEC (Soil)	
PNEC (Soil)	29.5 mg/kg dwt

PNEC (STP)	
PNEC sewage treatment plan	100 mg/l

Substance	UK	EU	IRE	
Toluene	STEL: 100 ppm 15min STEL: 384 mg/m <sup>3</sup> 15min TWA: 50 ppm 8hr TWA: 191 mg/m <sup>3</sup> 8hr	TWA: 50 ppm 8hr TWA: 192 mg/m <sup>3</sup> 8hr STEL: 100 ppm 15min STEL: 384 mg/m <sup>3</sup> 15min	TWA: 192 mg/m <sup>3</sup> 8hr TWA: 50 ppm 8hr STEL: 384 mg/m <sup>3</sup> 15min STEL: 100 ppm 15min	Skin

**Monitoring methods**

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

MDHS70 General methods for sampling airborne gases and vapours

MDHS 88 Volatile organic compounds in air. Laboratory method using diffusive samplers, solvent desorption and gas chromatography.

MDHS 96 Volatile organic compounds in air - Laboratory method using pumped solid sorbent tubes, solvent desorption and gas chromatography.

### Derived No Effect Level (DNEL)

Route of exposure	Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Oral Dermal Inhalation	384 mg/m <sup>3</sup>	384 mg/m <sup>3</sup>	192 mg/m <sup>3</sup>	8.13 mg/kg bw/day 384 mg/kg bw/day 192 mg/m <sup>3</sup>

Predicted No Effect Concentration (PNEC)

According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified. See values below.

Fresh water	0.68 mg/l
Fresh water sediment	16.39 mg/kg
Marine water	0.68 mg/l
Marine water sediment	16.39 mg/kg
Water Intermittent	0.68 mg/l
Microorganisms in sewage treatment	13.61 mg/l
Soil (Agriculture)	2.89 mg/kg

Substance	UK	EU	IRE	
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Methanol	WEL – TWA 200ppm WEL - TWA 266 mg/m <sup>3</sup> WEL – STEL 250ppm WEL – STEL 333 mg/m <sup>3</sup>	TWA: 200 ppm 8hr TWA: 260 mg/m <sup>3</sup> 8hr	TWA: 260 mg/m <sup>3</sup> 8 hr TWA: 200 ppm 8 hr STEL: 780 mg/m <sup>3</sup> 15 min STEL: 600 ppm 15 min	Skin
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### Derived No Effect Level (DNEL)

Route of exposure	Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Oral Dermal Inhalation	130 mg/m <sup>3</sup>	20 mg/kg bw/day 130 mg/m <sup>3</sup>	130 mg/m <sup>3</sup>	20 mg/kg bw/day 130 mg/m <sup>3</sup>

Predicted No Effect Concentration (PNEC)

According to our experience and to the information provided the product does not have any harmful effects if it is used and handled as specified. See values below.

Fresh water	154 mg/l
Fresh water sediment	570.4 mg/kg
Marine water	15.4 mg/l
Microorganisms in sewage treatment	100 mg/l
Soil (Agriculture)	23.5 mg/kg

Substance	UK	EU	IRE	
Isopropanol Alcohol	STEL: 500 ppm 15 min STEL: 1250 mg/m <sup>3</sup> 15 min TWA: 400 ppm 8 hr TWA: 999 mg/m <sup>3</sup> 8 hr	TWA: 200 ppm 8hr TWA: 260 mg/m <sup>3</sup> 8hr	TWA: 200 ppm 8 hr STEL: 1400 ppm 15 min	Skin

### Derived No Effect Level (DNEL)

Route of exposure	Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Oral Dermal Inhalation				888 mg/kg 500 mg/m <sup>3</sup>

Predicted No Effect Concentration (PNEC)

According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified. See values below.

Fresh water	140.9 mg/l
Fresh water sediment	552 mg/kg
Marine water	140.9 mg/l
Marine water sediment	140.9 mg/l
Water Intermittent	160 mg/kg
Microorganisms in sewage treatment	2251 mg/l
Soil (Agriculture)	28 mg/kg

Substance	CAS No	Value	Control Parameters	Basis
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Dichloromethane	75-09-2	TWA	100ppm 353 mg/m <sup>3</sup>	WK. EH40 WEL - Workplace  Exposure Limits
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Remarks: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity

		TWA	100ppm 353 mg/m <sup>3</sup>	Europe. Commission Directive 2017 / 164 / EU establishing a fourth list of indicative occupational exposure limit
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Remarks: Identifies the possibility of significant uptake through the skin

		STEL	200 ppm 353 mg/m <sup>3</sup>	Europe. Commission Directive 2017 / 164 / EU establishing a fourth list of indicative occupational exposure limit
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Remarks: Identifies the possibility of significant uptake through the skin

		STEL	200 ppm 706 mg/m <sup>3</sup>	WK. EH40 WEL - Workplace  Exposure Limits
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Remarks: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity

### Biological occupational exposure limits

Substance	CAS No	Parameters	Value	Biological Specimen	Basis
Dichloromethane	75-09-2	Carbon Monoxide	30 parts per million	End-tidal breath	WK. EH40 WEL - Workplace  Exposure Limits

Remarks: After shift

Application area	Routes of Exposure	Health Effect	Value
Worker DNEL Acute	Inhalation	Systemic effects	706 mg/m <sup>3</sup>
Worker DNEL long term	Inhalation	Systemic effects	353 mg/m <sup>3</sup>
Worker DNEL long term	Inhalation	Systemic effects	
Consumer DNEL long term	Inhalation	Systemic effects	
Consumer DNEL long term	Inhalation	Systemic effects	
Consumer DNEL long term	Inhalation	Systemic effects	88.3 mg/m <sup>3</sup>
Consumer DNEL acute	Inhalation	Systemic effects	353 mg/m <sup>3</sup>

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### Predicted No Effect Concentration (PNEC)

Fresh water	0.54 mg/l
Fresh water sediment	4.47mg/kg
Sea water	0.194 mg/l
Sea sediment	1.61 mg/kg
Aquatic intermittent release	0.27 mg/
Sewage treatment plant	26 mg/l
Soil	0.583 mg/kg

## **8.2. Exposure controls**

### **Engineering measures**

Provide adequate ventilation including appropriate local extraction to ensure that the defined workplace exposure limit (WEL) is not exceeded.  
When mists or sprays are produced work under fume extraction.  
Ventilation systems and extraction systems should be flame-proof.

### **Personal Protective Equipment**

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Eye / Face protection**

Use suitable eye protection. (EN166): tightly fitting safety goggles.  
Have facilities in place to wash eyes in case of contact.

### **Skin protection**

Use protective gloves.  
Viton rubber (fluor rubber)  
Polyvinyl alcohol (PVA)  
For gloves involving total immersion 1.mm thickness (if available) are recommended at least 0.5mm and breakthrough time of >480 minutes.  
For splash resistance use minimum 0.5mmthickness and breakthrough time >240 minutes.  
Be aware that the liquid may penetrate the gloves. Frequent change is advisable.  
The most suitable glove must be chosen in consultation with the gloves supplier who can inform about the breakthrough time of the glove material.  
Gloves showing signs of degradation should be changed to avoid skin contamination.  
When removing used gloves apply proper technique by avoiding skin contact with outer surface.  
Gloves should carry the CE mark and conform to BS EN374 chemicals and micro-organisms.  
When packages of the product are being handled during storage or transport it is advisable to wear protective gloves to prevent damage to the skin.

### **Body Protection**

Wear suitable protective clothing as protection against splashing or contamination.  
Provide eyewash station and safety shower.  
Wear plastic apron and full-length gloves if handling large amounts  
If there is a risk of splashing, then wear a face shield.  
Wear suitable protective clothing during transport, handling and storage operations connected with the product.  
Wear protective footwear during handling of the product.  
When treating spillages, it is recommended to wear protective boots, consult with the supplier as to the compatibility.

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Wear anti-static footwear.

Protective clothing should conform to the general requirements of EN340:2003. Also consider EN13034:2005; EN14605:2005; EN943:2002 dependent upon the situation resulting in exposure.

Safety footwear should conform to standard EN344 – 347

If handling large amounts, it is recommended to have a safety shower.

### Respiratory Protection

Wear suitable respiratory protection if vapours are generated.

When the concentration of atmospheric vapours is sufficient to cause skin irritation it is advisable to wear full face respiratory protection.

Chemical respirator with organic vapour cartridge; Type A

Consult with the supplier as to the compatibility of the equipment with the chemical of concern.

Respiratory protection should conform to the following standards:

BS EN136: Full face masks

BS EN140: Half-face masks

CAUTION: Air purifying respirators do not protect the user in oxygen deficient atmospheres, use a supplied system.

Powered air respirators should meet requirements of EN146 and EN12941

Airline fed respirators should meet the requirements of EN270 and EN1835

When vapours are generated during spill clean-up operations and exposure of operators is likely then respiratory equipment should be worn.

Respiratory protection should be maintained in a proper condition and inspected at the frequency specified by current legislation.

### Hygiene measures

Wash hands at the end of each work shift and before eating, smoking or using bathroom facilities.

Remove clothing when contamination will result in exposure to the substance, segregate and wash before re-use.

Do not eat, drink or smoke in the work area.

### Control of environmental exposure

Prevent product from entering drains

Do not allow material to contaminate ground water system

Local authorities should be advised if significant spillages cannot be contained

Comply with applicable Community environmental protection legislation

## SECTION 9: Physical and Chemical Properties

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

Physical state	Liquid
Appearance	Clear, colourless liquid
Colour	Clear
Odour	Pungent petroleum-like odour
Odour threshold	No data available
pH	5 - 9
Relative evaporation rate (butyl acetate=1):	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	Highly flammable liquid and vapor

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<b>Upper / lower flammability or explosive limits</b>	Not determined
<b>Vapor pressure</b>	240 hPa @ 20°C
<b>Relative vapor density at 20 °C</b>	No data available
<b>Relative density</b>	0.82 - 0.88 g/cm <sup>3</sup>
<b>Water solubility</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	Non oxidising material according to EC criteria
<b>Explosive limits</b>	Can form explosive vapor / air mixtures

### 9.2. Other information

VOC content 100%

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## **SECTION 10: Stability and reactivity**

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### 10.1. Reactivity

Highly flammable liquid and vapour.  
Can react with strong acids and oxidising agents.  
Reference to other sections: 10.4 & 10.5.

### 10.2. Chemical stability

Stable when stored in sealed container at normal temperatures and in a suitable location.  
Evaporation will occur if the containers are not sealed correctly.  
Agitation of the substance in storage containers may produce a build-up of electrostatic charge.  
Forms explosive mixtures.

### 10.3. Possibility of hazardous reactions

Hazardous reactions as specified in section 10.1.  
There will be immense pressure build up under explosive conditions causing sealed containers to rupture.  
Do not mix materials known to cause hazardous reactions.  
May react violently or exothermically.  
Hazardous polymerisation.

### 10.4. Conditions to avoid.

Avoid sources of heat and ignition.  
Avoid direct sunlight and moisture.  
Avoid storage with incompatible materials.  
Avoid storage in freezing conditions.  
Avoid storage near to unprotected drainage systems.  
It is advisable to store the product within some form of containment to prevent spillage reaching drainage systems.  
Avoid situations that would produce vibration or agitation of the substance in storage containers as there is potential to build up static charge, particularly in metal or compatible plastic containers.  
Do not allow the storage container to be left exposed to the atmosphere.  
Avoid storage in unstable manner or in a situation that would result in exposure of the product.  
Safe handling: See section 7.

### 10.5. Incompatible materials

Some plastics, rubber and coatings.  
Strong oxidising substances.

### 10.6. Hazardous decomposition products

## UltraClean X792

Thermal decomposition generates: Carbon oxides (CO/CO<sub>2</sub>), fume.  
May release flammable gases.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Acute toxicity** Not classified.

Xylenes	
LD50 oral mouse	5251 mg/kg
LD50 dermal rabbit	4200 mg/kg
LC50 inhalation rat (Vapors mg/l/4h)	29091 mg/l/4h

#### Skin corrosion / irritation

**Dose** 4 (Semi-occlusive contact) hr Rabbit  
**Primary dermal irritation (PDI)** 2.21 (average erythema and oedema for both intact and abraded skin)

Other registered information classes xylenes as either moderately irritating or non-corrosive

#### Moderately irritating

**Human skin model test** No information available

#### Serious eye damage / eye irritation

0.1 ml sample; Draize system – 24-, 48- and 72-hour observation periods  
Average eye irritation scores; 24 hours - 8.33; 48 hours – 6.66; 72 hours – 4.67

#### Respiratory or skin sensitisation

**Respiratory sensitisation** No data available.  
**Skin sensitisation** Mouse  
Xylene is not classed as a skin sensitiser, but this score indicates a very slight positive result (>3.0) at 100% concentration.

Can cause dermatitis on prolonged or repeated exposure.

OECD Guideline 429 (Skin Sensitisation Local Lymph Node Assay). Simulation Index = 3.1

#### Germ cell mutagenicity

**Genotoxicity** In vitro  
**Chromosome aberration** All registered tests gave negative results  
**Tests on hamster ovary** Negative. EU Method B. 19  
**Genotoxicity** In vitro  
**Chromosome aberration** All registered tests gave negative results  
**Tests on mice and rats** Negative. OECD 478 (Genetic toxicology)

#### Carcinogenicity

Not classified (Based on available data, the classification criteria are not met)

#### Reproductive toxicity

**Reproductive Toxicity** Fertility  
**One-generation study** Dose Level 0, 60, 250, 500 ppm Inhalation. Rat P

NOAEC = 500ppm for systemic and reproductive toxicity

## UltraClean X792

<b>Exposure</b>	6 hours / day, 5 days / week, for 131 days
<b>Reproductive Toxicity</b>	Development
<b>Development toxicity</b>	NOAEC 500 ppm Inhalation. Rat
<b>Exposure</b>	6 hours / day for 21 days. OECD Guideline 414
<b>Foetal toxicity was observed at 1000 and 2000ppm</b>	
<b>No teratogenic effects up to 2000ppm</b>	
<b>Specific target organ toxicity – repeated exposure</b>	Specific target organ toxicity – repeated exposure
<b>STOT</b>	Repeated exposure
<b>Dose Level</b>	0, 150 750, 1500 mg/kg Oral. Rat
<b>OECD Guideline</b>	408. 90-day exposure
<b>Target organs</b>	Liver, kidneys

Increased liver weight (males) – LOAEL = 150 mg/kg  
 Increase liver weight (females) – NOAEL = 150 mg/kg  
 Reduction in body weight gain (males) – NOAEL = 750 mg/kg

### General information

Exposure via inhalation: 1ppm = odour threshold 100 – 200ppm = eye, nose and throat irritation, short term memory change.

300ppm = impairment of reaction time and short-term memory  
 >3000ppm = CNS depression confusion and coma  
 10,000ppm = CNS depression, lung congestion and death  
 50 mg/kg = estimated fatal dose in adults

### Inhalation

<b>Immediate: Low concentration</b>	Headache
<b>Headache</b>	
<b>Immediate: High Concentration</b>	Dizziness Irritation of the respiratory system Nausea Fatigue Central Nervous System depression
<b>Delayed</b>	Heart problems and coma May cause liver and/or renal damage

### Skin contact

<b>Immediate</b>	Irritation delayed Prolonged or repeated contact may cause dermatitis Product has defatting effect on skin
<b>Immediate</b>	Irritating to eyes Visual disturbances including blurred vision
<b>Delayed</b>	Inflammation Twitching of the eyelid

Propan-2-one, propanone, Acetone



## UltraClean X792

LD50 oral rat	5800 mg/kg
LD50 dermal rabbit	7400 mg/kg bodyweight
LC50 Inhalation rat (Vapours – mg/l/4h)	76 mg/l/4h

<b>Skin corrosion/irritation</b> <b>Additional information</b>	Not classified (Based on available data, the classification criteria are not met) Repeated exposure may cause skin dryness or cracking.
<b>Serious eye damage/irritation</b> <b>Respiratory or skin sensitisation</b> <b>Additional information</b>	Causes serious eye irritation This product does not cause skin sensitisation Based on available data, the classification criteria are not met
<b>Germ cell mutagenicity</b> <b>Additional information</b>	Not classified (Based on available data, the classification criteria are not met) Based on available data, the classification criteria are not met
<b>Carcinogenicity</b> <b>Additional information</b>	Not classified (Based on available data, the classification criteria are not met) Based on available data, the classification criteria are not met
<b>Reproductive toxicity</b> <b>Additional information</b>	Not classified (Based on available data, the classification criteria are not met) Based on available data, the classification criteria are not met
<b>STOS – single exposure</b> <b>STOT – repeated exposure</b>  <b>Additional information</b>	STOS – single exposure May cause drowsiness or dizziness STOT – repeated exposure Not classified (Based on available data, the classification criteria are not met) Additional information Based on available data; the classification criteria are not met

<b>Propan-2-one, propanone, Acetone</b>	
NOAEL (oral – rat 90 days)	900 mg/kg body weight/day

Aspiration hazard	Not classified (Based on available data, the classification criteria are not met)
Additional information	Based on available data, the classification criteria are not met

Substance	LD50 Oral	LD50 Dermal	LC50 Inhalation
Toluene	>5000 mg/kg (Rat)	12000 mg/kg	26700 ppm (Rat) 1h

<b>Skin corrosion/irritation</b> <b>Test method</b> <b>Test species</b> <b>Observational endpoint</b>	Category 2 OECD 404 Rabbit Irritating to skin
<b>Serious eye damage/irritation</b> <b>Respiratory or skin sensitisation</b> <b>Germ cell mutagenicity</b> <b>Carcinogenicity</b>	Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) There are no known carcinogenic chemicals in this product.
<b>Reproductive toxicity</b> <b>Reproductive effects</b> <b>Developmental effects</b> <b>Teratogenicity</b>	Category 2 Experiments have shown reproductive toxicity effects on laboratory animals. Developmental effects have occurred in experimental animals. Possible risk of harm to the unborn child
<b>Specific target organ toxicity (single exposure)</b> <b>Result / Target organs</b>	Category 3 Central Nervous System (CNS)
<b>Specific target organ toxicity (repeated exposure)</b>	Category 2

## UltraClean X792

**Target organs** Liver  
Kidney  
Central Nervous System (CNS)  
Blood  
Spleen  
Neuropsychological effects  
Eyes  
Ears

**Aspiration Hazard** Category 1

**Symptoms / effects both acute and delayed** May cause central nervous system depression.  
In halation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness nausea and vomiting.

Substance	LD50 Oral	LD50 Dermal	LC50 Inhalation
Methanol	>1187 – 2769 mg/kg (Rat)	17100 mg/kg (Rabbit)	128.2 mg/l (Rat) 4h

**Skin corrosion / irritation** Based on available data, the classification criteria are not met.

**Serious eye damage / eye 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.

Substance	Test Method	Test Species	Study result
Methanol	OECD Test guideline 406 Guinea Pig Maximization Test (GPMT)	Guinea Pig	Not- sensitising

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.  
There are no known carcinogenic chemicals in this product.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

Substance	Test Method	Test Species / Duration	Study result
Methanol CAS No 67-56-1(>95)	OECD Test guideline 416	Rat / Inhalation 2 Generation	NOAEC = 1.3mg/l (air)

**Developmental effects** Component substance is listed on California Proposition 65 as a developmental hazard.

**STOT – single exposure Results** Category 1  
Optic nerve  
Central nervous system (CNS)

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

## UltraClean X792

<b>Target organs</b>	None known.
<b>Aspiration Hazard</b>	Based on available data, the classification criteria are not met.
<b>Symptoms / effects both acute And delayed</b>	May cause blindness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Substance	Test Method	Test Species / Duration	Study result
Isopropanol	5046 mg/kg (Rat) 3600 mg/kg (Mouse)	12800 mg/kg (Rat)	72.6 mg/l (rat) 4hr

<b>Skin corrosion / irritation</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Serious eye damage / eye irritation</b>	Category 2
<b>Respiratory or skin sensitisation</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Germ cell mutagenicity</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met. There are no known carcinogenic chemicals in this product.
<b>Reproductive toxicity</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Specific target organ toxicity – Single exposure</b>	Category 3
<b>Result / Target organs</b>	Central Nervous System (CNS)
<b>Specific target organ toxicity – repeated exposure</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Aspiration Hazard</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Symptoms /effects both acute and delayed</b>	May cause central nervous system depression. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

### Dichloromethane

**Acute Toxicity**

LD50 Oral – Rat – male and female - >2,000 mg/kg  
(OECD Test Guideline 401)  
LC50 Inhalation – Mouse – 4h – 86 mg/l  
Remarks: (ECHA) Symptoms: Possible damages; mucosal irritations  
LD50 Dermal – Rat – Male and female - > 2,000 mg/kg  
(OECD Test Guideline 402)

**Skin corrosion / irritation**

Skin – Rabbit  
Result: Irritations – 4 h  
(OECD Test Guideline 404)  
Repeated or prolonged exposure may cause skin irritation and dermatitis due to degreasing.  
properties of the product

## UltraClean X792

<b>Serious eye damage / eye irritation</b>	Eyes – rabbit Result: eye irritation Remarks: (ECHA) Risk of corneal clouding
<b>Respiratory or skin sensitisation</b>	Local lymph node assay (LLNA) – Mouse Result – negative (OECD Test guideline 429)
<b>Germ cell mutagenicity</b>	Test type: Mutagenicity (mammal cell test): chromosome aberration Test system: Chinese hamster ovary cells Metabolic Activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: Positive  Test type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: positive  Test type: In vivo micronucleus test Species: Mouse Cell type: Bone marrow Application Route: oral Method: OECD Test Guideline 474 Result: negative
<b>Carcinogenicity</b>	No data available.
<b>Reproductive</b>	No data available.
<b>Specific target organ toxicity – single exposure</b>	Inhalation: may cause drowsiness or dizziness – Central nervous system
<b>Specific target organ toxicity – repeated exposure</b>	No data available.
<b>Aspiration hazard</b>	No data available.
<b>Additional Information</b>	No additional information available.

<b>Propan-2-one, propanone, Acetone</b>	
Viscosity, kinematic	0.405 mm <sup>2</sup> /s

Potential adverse human health effects and symptoms.  
Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1. Toxicity

## UltraClean X792

Component	Freshwater Fish	Water Flea	Freshwater Algae
<b>Xylenes</b>	LC50: = 780 mg/l, 96h semi-static (Cyprinus carpio) LC50: 23.53 - 29.97 mg/l, 96h static (Pimephales promelas) LC50: > 780 mg/l, 96h (Cyprinus carpio) LC50: 30.26 - 40.75 mg/l, 96h static (Poecilia reticulata) LC50: 7.711 - 9.591 mg/l, 96h static (Lepomis macrochirus) LC50: = 19 mg/l, 96h (Lepomis macrochirus) LC50: 13.1 - 16.5 mg/l, 96h flowthrough (Lepomis macrochirus) LC50: 13.5 - 17.3 mg/l, 96h (Oncorhynchus mykiss) LC50: 2.661 - 4.093 mg/l, 96h static (Oncorhynchus mykiss) LC50: = 13.4 mg/l, 96h flowthrough (Pimephales promelas)	LC50: = 0.6 mg/L, 48h (Gammarus lacustris) EC50: = 3.82 mg/l	

Component	Microtox	M-Factor
Xylenes	EC50 = 0.0084 mg/l 24 h	

### Acetone

Acute aquatic toxicity

Not classified.

Chronic aquatic toxicity

Not classified.

Acetone	
LC50 fishes 1	5540 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 Daphnia 1	8800 mg/l

Component	Freshwater Fish	Water Flea	Freshwater Algae
<b>Toluene</b>	50-70 mg/L LC50 96h 5-7 mg/L LC50 96h 15-19 mg/L LC50 96h 28 mg/L LC50 96h 12 mg/L LC50 96h	EC50: = 11.5 mg/L, 48h (Daphnia magna) EC50: 5.46 - 9.83 mg/L, 48h Static (Daphnia magna)	EC50: = 12.5 mg/L, 72h static (Pseudokirchneriella subcapitata) EC50: > 433 mg/L, 96h (Pseudokirchneriella subcapitata)

Component	Microtox	M-Factor
<b>Toluene</b>	EC50 = 19.7 mg/L 30 min	

Component	Freshwater Fish	Water Flea	Freshwater Algae
<b>Methanol</b>	Pimephales promelas: LC50 >10000 mg/l 96h	EC50 >10000 mg/l 24h	

Component	Microtox	M-Factor

## UltraClean X792

<b>Methanol</b>	EC50 = 39000 mg/l 25 min EC50 = 40000 mg/l 15 min EC50 = 43000 mg/l 5 min	
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Component	Freshwater Fish	Water Flea	Freshwater Algae
<b>Isopropanol</b>	LC50 = 9640 mg/l 96h Flow through (Pimephales promelas) LC50 >1400000 µg/l, 96h (Lepomis macrochirus) LC50 = 11130 mg/l, 96 static (Pimephales promelas) LC50 = 10000000 µg/l, 96h (Daphnia)	13299 mg/l EC50 = 48 h 9714 mg/l EC50 = 24 h	EC50 >1000 mg/l 96h (Desmodesmus subspicatus) EC50 >1000 mg/l 72h (Desmodesmus subspicatus)

Component	Microtox	M-Factor
<b>Isopropanol</b>	=35390 mg/l EC50 Photobacterium phosphoreum 5 min	

### Dichloromethane

Toxicity to fish Flow-through test LC50 – Pimephales promelas (fathead minnow) – 193.00 mg/l – 96h

Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates Static test LC50 – Daphnia magna (Water flea) – 27 mg/l – 48 h (US-EPA)

Toxicity to bacteria Static test EC50 – activated sludge – 2,590 mg/l – 40 min (OECD Test Guideline 209)

### 12.2 Persistence and Degradability

<b>Xylenes</b>	
Persistence and degradability	Persistence is unlikely
Biodegradation	Contains substances known to be hazardous to the environment or not degradable in wastewater treatment plants.

<b>Acetone</b>	
Persistence and degradability	Readily biodegradable
Biodegradation	90 % after 28 days

<b>Toluene</b>	
Persistence	Persistence is unlikely based on information available
Degradability	86 % (20d)

## UltraClean X792

<b>Methanol</b>	
Persistence	Persistence is unlikely based on information available
Degradability	DT50 ~ 17.2d >94% after 20d

<b>Isopropanol / Isopropyl Alcohol</b>	
Persistence and degradability	Persistence is unlikely based on information available
Biodegradation	Expected to be biodegradable

### Dichloromethane

Biodegradability

Aerobic – Exposure time 28d  
Result: 68% - Readily biodegradable  
(OECD Test Guideline 301D)

### 12.3 Bio accumulative Potential

Component	Log Pow	Bioconcentration factor (BCF)
<b>Xylenes</b>	3.15	<b>0.5 - 15</b>

<b>Acetone</b>	
Low Pow	-0.23
Bio accumulative potential	Low

<b>Toluene</b>	
Low Pow	2.7
Bio accumulative potential	90

<b>Toluene</b>	
Low Pow	2.7
Bio accumulative potential	90

<b>Methanol</b>	
Low Pow	-0.77 @ 20°C
Bio accumulative potential	<10

<b>Isopropanol / Isopropyl Alcohol</b>	
Low Pow	0.05

### Dichloromethane

Bioaccumulation

Cyprinus carpio (Carp) – 6 weeks  
- 250 µg/l (Dichloromethane)  
Bioconcentration factor (BCF): 2 – 5.4  
(OECD Test Guideline 305)  
Cyprinus carpio (Carp) – 6 Weeks  
- 25 µg/l (Dichloromethane)  
Bioconcentration factor (BCF): 6 – 40  
(OECD Test Guideline 305)

### 12.4 Mobility in Soil

## UltraClean X792

### Xylenes

Spillage unlikely to penetrate soil.

The product is insoluble and float on water.

Is not likely mobile in the environment due to its low water solubility.

Acetone	
Surface tension	23.3 Mn/M
Ecology – soil	Product evaporates when in contact with the air

Toluene	
Mobility in soil	2 This product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. Spillage unlikely to penetrate soil. This product is insoluble and floats on water. Is likely mobile in the environment due to its low water solubility
Surface tension	27.73 m/N/m at 25°C

Methanol	
Mobility in soil	This product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. Disperses rapidly in air. Is likely mobile in the environment due to its low water solubility.
Surface tension	0.02255 N/m @ 20°C

Isopropanol / Isopropyl Alcohol	
Mobility in soil	This product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. Will like to be mobile in the environment due to its volatility. Disperses rapidly in air.
Surface tension	22.7 mN/m at 20°C

### 12.5. Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels 0.1% or higher.

### 12.6 Endocrine Disrupting Properties

This product does not contain any known or suspected endocrine disruptors

### 12.6. Other adverse effects

This product does not contain any known or suspected substance.

## SECTION 13: Disposal considerations

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

### 13.1. Waste treatment methods



## UltraClean X792

Waste from residues / unused products	Waste is classified as hazardous. Dispose of in accordance with European Directives on waste and hazardous waste Dispose in accordance with local regulations.
Contaminated packaging	Avoid release to the environment. Dispose of empty containers and wastes safely. Safe handling: see section 7. Refer to manufacturer/supplier for information on recovery/recycling. Empty containers retain product residue (liquid and/or vapour) and can be dangerous.
Additional information	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid the build-up of electrostatic charge. Notice directive on waste 2008/98/EC.
European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC)	This material and its container must be disposed of as hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
Other Information	Do not empty into drains / flush to sewer. Waste codes should be assigned by the user based on the application for which the product was used. Can be landfilled or incinerated when in compliance with local regulations. Do not let these chemicals enter the environment.

### SECTION 14: Transport information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for Air Transport.

#### 14.1. UN number

ADR	1263
IMDG	1263
IATA	1263
RID	1263

#### 14.2. UN proper shipping name

ADR	Paint related material
IMDG	Paint related material
IATA	Paint related material
RID	Paint related material

**Transport document description (ADR)** UN 1263; Paint Related Material; PG II; Class 3

#### 14.3. Transport hazard class(es)

<b>Transport hazard class(es) (ADR / IMDG / IATA / RID)</b>	3
<b>Danger labels (ADR / IMDG / IATA / RID)</b>	3

## UltraClean X792



### **14.4. Packing group**

ADR	II
IMDG	II
IATA	II
RID	II

### **14.5. Environmental hazards**

Dangerous for the environment	No
Marine pollutant	No

### **14.6. Special precautions for user**

Classification code (ADR)	F1
Limited quantities (ADR)	1L
Excepted quantities (ADR)	E2
Packing instructions (ADR)	P001, IBC02, R001
Mixed packing provisions (ADR)	MP19
Portable tank and bulk container instructions (ADR)	T4
Portable tank and bulk container special provisions (ADR)	TP1
Tank code (ADR)	LGBF
Vehicle for tank carriage	FL
Transport category (ADR)	2
Special provisions for carriage – Operation (ADR)	S2, S20
Hazard identification number (Kemler No.)	33
Tunnel restriction code	D/E
EAC code	2YE

Transport by sea  
No data available

Air Transport  
No data available

Inland Waterway Transport  
No data available

Rail Transport  
No data available

### **14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Code: IBC No data available

## **SECTION 15: Regulatory information**

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

## UltraClean X792

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

No REACH Annex XVII restrictions

Acetone is not on the REACH candidate list

Acetone is not on the REACH Annex XIV list

Acetone is not subject to Regulation (EU) No 649/2012 of the European Parliament and the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Acetone is not subject to Regulation (EC) No 850/2004 of the European Parliament and the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC SECTION 16: Other information.

### Abbreviations and acronyms

ADN Europeans Agreement concerning the International Carriage of Dangerous Goods by inland waterways.

ADR European Agreement concerning the International Carriage of Dangerous Goods by road.

CLP Classification labelling packaging regulation; Regulation (EC) No 1272/2008

DNEL Derived No-effect level.

DMEL Derived minimal effect level.

LC50 Median lethal concentration

LD50 Median lethal dose

NOAEL No-observed adverse effect level

IMDG International maritime dangerous goods

IATA International Air Transport Association

EC50 Median effective concentration

PNEC Predicted No-effect concentration.

PBT Persistent Bio accumulative toxic

REACH Reach, Evaluation, Authorisation and Restriction of Chemicals (EC) No 1907/2006

RID Regulations concerning the International Carriage of Dangerous Goods by rail.

SDS Safety Data Sheet

vPvB Very persistent and very bio accumulative

STP Sewage treatment plant

REGULATION (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending regulation (EC) No 1907/2006

### Full text of H- and EUH-phrases

<b>Acute Tox. 3 (Dermal)</b>	Acute toxicity (dermal), Category 3
<b>Acute Tox. 3 (Inhalation)</b>	Acute toxicity (inhal.), Category 3
<b>Acute Tox. 3 (Oral)</b>	Acute toxicity (oral), Category 3
<b>Acute Tox. 4 (Dermal)</b>	Acute toxicity (dermal), Category 4
<b>Acute Tox. 4 (Inhalation)</b>	Acute toxicity (inhal.), Category 4
<b>Asp. Tox. 1</b>	Aspiration hazard, Category 1
<b>Eye Irrit. 2</b>	Serious eye damage/eye irritation, Category 2
<b>Flam. Liq. 2</b>	Flammable liquids, Category 2
<b>Flam. Liq. 3</b>	Flammable liquids, Category 3
<b>Repr. 2</b>	Reproductive toxicity, Category 2
<b>Skin Irrit. 2</b>	Skin corrosion/irritation, Category 2
<b>STOT RE 2</b>	Specific target organ toxicity — Repeated exposure, Category 2
<b>STOT SE 1</b>	Specific target organ toxicity — single exposure, Category 1
<b>STOT SE 3</b>	Specific target organ toxicity — Single exposure, Category 3, Narcosis
<b>H225</b>	Highly flammable liquid and vapor
<b>H226</b>	Flammable liquid and vapor
<b>H301</b>	Toxic if swallowed
<b>H304</b>	May be fatal if swallowed and enters airways
<b>H311</b>	Toxic in contact with skin
<b>H312</b>	Harmful in contact with skin
<b>H315</b>	Causes skin irritation
<b>H319</b>	Causes serious eye irritation
<b>H331</b>	Toxic if inhaled
<b>H332</b>	Harmful if inhaled
<b>H336</b>	May cause drowsiness or dizziness

## UltraClean X792

<b>H361</b>	Suspected of damaging fertility or the unborn child
<b>H361d</b>	Suspected of damaging the unborn child
<b>H370</b>	Causes damage to organs
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure

### *Disclaimer*

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