



## SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) 453/2010

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

#### 1.1. Product identifier

**Product Name** Spectrum UltraClean W990 Water Based Cleaner

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

**Identified Uses** Industrial Use.

#### 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

#### 1.4. Emergency Telephone Number

**Emergency telephone** +44 (0) 808 118 1922

### SECTION 2: Hazards identification

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

**Classification under CLP** H302 - Acute toxicity (oral), Category 4  
H332 - Acute toxicity (inhalation: dust ,mist) Category 4  
H315 - Skin corrosion/irritation, Category 2  
H319 - Serious eye damage/eye irritation, Category 2

**Most important adverse effects** Harmful if inhaled. Harmful if swallowed. Causes skin irritation.  
Causes serious eye irritation.

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

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### 2.2. Label Elements

#### Label elements

#### Hazard pictograms

GHS07 - Exclamation mark



#### Signal word

Warning  
2-butoxyethanol

#### Hazard statement(s)

H302+H332 - Harmful if swallowed or if inhaled.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.

#### Precautionary statement(s)

P261 - Avoid breathing fume, mist, spray, vapours.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P312 - Call a POISON CENTRE or doctor if you feel unwell.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

#### PBT

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

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

### 3.2. Mixtures

#### Hazardous ingredients

Chemical Name	CAS No. EC No. Index No. REACH No.	CLP Classification	%
2-BUTOXYETHANOL	111-76-2 203-905-0 603-014-00-0 01-2119475108-36-XXXX	Acute Tox. 4 (Oral) H302 Acute Tox. 4 (Dermal) H312 Acute Tox. 3 (Inhalation) H331 Skin Irrit. 2 H315 Eye Irrit. 2, H319  GHS07 GHS06 Wng	$\geq 30 - < 50$

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

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### SECTION 4: First aid measures

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

NEVER induce swallowing by an unconscious person.

#### 4.1. Description of first aid measures

<b>General</b>	Call a poison center or doctor if you feel unwell.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing.
<b>Skin contact</b>	Call a poison center or a doctor if you feel unwell. Wash immediately with plenty of soap and water.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Rinse mouth. Call poison center or a doctor if you feel unwell.

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

<b>Skin contact</b>	Irritation.
<b>Eye contact</b>	Eye irritation.

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

Treat symptomatically

### SECTION 5: Firefighting measures

Flammable.

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

#### 5.1. Extinguishing media

- Water spray
- Dry powder
- Foam
- Carbon dioxide

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

Toxic fumes may be released.

#### 5.3. Advice for firefighters

**Advice for firefighters** Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

**Protective equipment** Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection."

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### **6.2. Environmental precautions**

Avoid release into the environment.

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

**Methods for cleaning up** Take up liquid spill into absorbent material.

**Other information** Dispose of materials or solid residues at an authorised site.

### **6.4. Reference to other sections**

For further information refer to section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Use only outdoors or in a well-ventilated area.  
Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.  
Wear personal protective equipment.

**Hygiene measures** Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

**Storage conditions** Store in a cool, well ventilated area.

### **7.3. Specific end use(s)**

No additional information available.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

**Hazardous ingredients: 2-BUTOXYETHANOL**

#### **Workplace exposure limits:**

#### **Respirable dust**

<b>2-butoxyethanol (111-76-2)</b>	
<b>United Kingdom - Occupational Exposure Limits</b>	
<b>Local name</b>	<b>2-butoxyethanol</b>
WEL TWA (OEL TWA) [1]	123 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	25 ppm
WEL TWA (OEL STEL)	246 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [ppm]	50 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>United Kingdom – Biological limit values</b>	
<b>Local name</b>	<b>2-butoxyethanol</b>
BMGV	240 mmol/mol Creatinine Parameter: butoxyacetic acid – Medium: urine – Sampling time: Post shift
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

#### **8.1.2. Recommended monitoring procedures**

No additional information available.

#### **8.1.3. Air contaminants formed**

No additional information available.

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### **8.1.4. DNEL and PNEC**

No additional information available.

### **8.1.5. Control banding**

No additional information available.

## **8.2. Exposure controls**

### **8.2.1. Appropriate engineering controls:**

Ensure good ventilation of work station.

### **8.2.2. Personal protection equipment**



#### **8.2.2.1. Eye and face protection**

**Eye protection:** Safety glasses

#### **8.2.2.2 Skin protection**

**Skin and body protection:** Wear suitable protective clothing.

**Hand protection:** Protective gloves

#### **8.2.2.3 Respiratory protection**

**Respiratory protection:** [In case of inadequate ventilation] wear respiratory protection.

#### **8.2.2.4 Thermal hazards**

No additional information available

### **8.2.3 Environmental exposure controls**

**Environmental exposure controls:** Avoid release to the environment.

## **SECTION 9: Physical and Chemical Properties**

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

<b>Appearance (Physical state)</b>	Liquid
<b>Colour</b>	No data available.
<b>Odour</b>	No data available.
<b>Odour threshold</b>	No data available.
<b>pH</b>	No data available.
<b>Relative evaporation rate (butylacetate=1)</b>	No data available.
<b>Melting point /range (°C)</b>	Not applicable.
<b>Freezing point /range (°C)</b>	No data available.
<b>Boiling point / range (°C)</b>	No data available.
<b>Flash point (°C)</b>	No data available.
<b>Auto-ignition temperature</b>	No data available.
<b>Decomposition temperature</b>	No data available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Relative vapour density at 20 °C</b>	No data available.
<b>Vapour pressure</b>	No data available.
<b>Relative density</b>	No data available.
<b>Partition coeff. n-octanol/water</b>	No data available.
<b>Viscosity – kinematic</b>	No data available.
<b>Viscosity – dynamic</b>	No data available.
<b>Explosive properties</b>	No data available.

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**Oxidising properties** No data available.  
**Explosive Limits** No data available.

### 9.2. Other information

No additional information available.

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

### 10.1. Reactivity

Product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

**Acute toxicity (oral):** Harmful if swallowed.  
**Acute toxicity (dermal):** Not classified  
**Acute toxicity (inhalation):** Harmful if inhaled.

<b>Ultraclean W990 WB</b>	
ATE CLP (oral)	1666.667 mg/kg bodyweight
ATE CLP (dust, mist)	1.667 mg/l/4h
<b>Hazardous ingredients: 2-BUTOXYETHANOL</b>	
LD50 Oral rat	1746 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1322 - 2301
LD50 Oral	1414 mg/kg bodyweight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961
LD50 Dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

**Skin corrosion/irritation:** Causes skin irritation.  
**Serious eye damage/irritation:** Causes serious eye irritation.  
**Respiratory or skin sensitization:** Not classified  
**Germ cell mutagenicity:** Not classified  
**Carcinogenicity:** Not classified

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2-BUTOXYETHANOL	
IARC Group	3 – Not classified

**Reproductive Toxicity:** Not classified  
**STOT – Single exposure:** Not classified  
**STOT – Repeated exposure:** Not classified

2-BUTOXYETHANOL	
NOAEL (dermal, rat/rabbit, 90 days)	> 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Sub chronic Dermal Toxicity: 90-Day Study)

**Aspiration hazard:** Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

**Ecology – general:** The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
**Hazardous to the aquatic environment, short-term (acute):** Not classified  
**Hazardous to the aquatic environment, long-term (chronic):** Not classified

2-BUTOXYETHANOL	
LC50 - Fish [1]	1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo Gairdner)
EC50 - Crustacea [1]	≈ 1800 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	911 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	1840 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '21 d'

#### 12.2. Persistence and degradability

No additional information available.

#### 12.3. Bioaccumulative potential

2-BUTOXYETHANOL	
Partition coefficient n-octanol/water (Log Pow)	0.81 Source: ECHA

#### 12.4. Mobility in soil

No additional information available.

#### 12.5. Results of PBT and vPvB assessment

No additional information available.

#### 12.6. Other adverse effects

No additional information available.

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**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**

Dispose of contents/container in accordance with licensed collectors sorting instructions.

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**SECTION 14: Transport information**

**In accordance with ADR / IMDG / IATA / ADN / RID**

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

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

Not applicable.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Not applicable.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL3/78 and the IBC Code**

Not applicable.

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**SECTION 15: Regulatory information**

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

Specific regulations                      Not applicable.

**15.2. Chemical safety assessment**

**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)



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### VOC Directive (2004/42)

Organic solvent: Yes

### 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 additional information available

### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

### 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
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

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

Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
Skin Irrit. 2	Skin corrosion/irritation, Category 2

### Disclaimer

*This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.*