

# SAFETY DATA SHEET

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PRINT DATE: 06/08/1997

REF: ULC200/400D/S

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product name:** ULTRACLENS  
**Product code:** ULC200/400D/S  
**Supplier:** ELECTROLUBE  
H.K. Wentworth Ltd.,  
Wentworth House, Blakes Road,  
Wargrave, Berkshire, RG10 8AW, United Kingdom.  
**Emergency telephone number:** 0118 9404031 **Fax No:** 0118 9403084

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Identification of the preparation

Chemical Name	CAS-No	EEC-No	Class	Weight %
3-BUTOXYPROPAN-2-OL	5131-66-8	225-878-4	Xi; R36/38	< 20
carbon dioxide (CO <sub>2</sub> )	124-38-9	-	-	3 - 5
Hydrocarbons	-	-	-	> 75

## 3. HAZARDS IDENTIFICATION

**Most important hazards:** Flammable  
**Specific hazards:** High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects. Prolonged skin contact may defat the skin and produce dermatitis.

## 4. FIRST AID MEASURES

**General advice:** Remove from exposure, lie down.  
**Inhalation:** Move to fresh air. Consult a physician after significant exposure.  
**Skin contact:** Wash off immediately with soap and plenty of water. Treatment : skin cream.  
**Eye contact:** Rinse immediately with plenty of water for at least 15 minutes. Consult a physician for severe cases.  
**Ingestion:** Immediately give large quantities of water to drink. If symptoms persist, call a physician.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Extinguish with dry chemical or foam, carbon dioxide (CO<sub>2</sub>).

**Extinguishing media which must not be used for safety reasons:**

Do not use water jet.

**Specific hazards:** Fire or intense heat may cause violent rupture of packages. Water mist may be used to cool closed containers.

**Special protective equipment for firefighters:**

In the event of fire, wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Remove all sources of ignition.  
**Environmental precautions:** Do not contaminate surface water.  
**Methods for cleaning up:** Soak up with inert absorbent material. Shovel into suitable container for disposal.

**7. HANDLING AND STORAGE**

- Handling:** Use only in well-ventilated areas. Do not breath vapours or spray mist. When using, do not eat, drink or smoke.
- Storage:** Store in a cool and shaded area. Ensure adequate ventilation. Keep away from heat and sources of ignition.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name:	National occupational exposure limits:
3-BUTOXYPROPAN-2-OL	
carbon dioxide (CO <sub>2</sub> )	Long term (8 hrs) = 5000 ppm / 9000 mgm <sup>-3</sup> Short term (15 min) = 15000 ppm / 27000 mgm <sup>-3</sup>
Hydrocarbons	-

**Engineering measures**

Ensure adequate ventilation, especially in confined areas.

**Personal protection equipment:**

- **Respiratory protection:** not required under normal use.
- **Hand protection:** solvent-resistant gloves (butylrubber)
- **Eye protection:** safety glasses
- **Skin and body protection:** not required under normal use

**Hygiene measures:**

When using, do not eat, drink or smoke.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form:</b>	liquid		
<b>Colour:</b>	colourless		
<b>Odour:</b>	characteristic		
<b>Boiling point/range:</b>	173 - 193	°C	
<b>Melting point/range:</b>	< - 50	°C	
<b>Flash point:</b>	> 60	°C	
<b>Autoignition temperature:</b>	> 200	°C	
<b>Explosion limits:</b>	- lower	0.6	vol. %
	- upper	7.0	vol. %
<b>Vapour pressure:</b>	( 38 °C)	5	hPa
<b>Bulk density:</b>		790	kg/m <sup>3</sup>
<b>Solubility:</b>			
<b>Water solubility</b>		immiscible	(g/l)
<b>Viscosity:</b>	( 25 °C)	1.48	mPa.s

**10. STABILITY AND REACTIVITY**

- Stability:** Stable.
- Conditions to avoid:** none under normal use
- Materials to avoid:** oxidizing agents
- Hazardous decomposition products:** No decomposition if stored and applied as directed.

**11. TOXICOLOGICAL INFORMATION**

- Acute toxicity:** 3-Butoxypropan-2-ol: LD50/oral/rat = >3300mg/kg
- Local effects:** Prolonged skin contact may cause skin irritation and/or dermatitis
- Sensitization:** Not applicable
- Long term toxicity:** Not applicable

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Chronic toxicity: Not applicable

## 12. ECOLOGICAL INFORMATION

**Mobility:** No data is available on the product itself  
**Persistence and degradability:** Readily biodegradable, according to appropriate OECD test  
**Bioaccumulation:** Not applicable  
**Ecotoxicity effects:** No data is available on the product itself

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** In accordance with local and national regulations.  
**Contaminated packaging:** Do not pierce or burn even when empty

## 14. TRANSPORT INFORMATION

UN-No: 1950

ADR/RID

**Class:** 2 **Item:** 5 ° F  
**HI/UN No:** 1950

**Proper shipping name:** Aerosols, flammable, n.o.s

IMO

**Class:** 2 **IMDG Page:** 2102  
**EmS:** 2-13 **MFAG:** 620

**Proper shipping name:** Aerosols, flammable, n.o.s

ICAO

**Class:** 2.1 **UN/ID No:** 1950

**Proper shipping name:** Aerosols, flammable, n.o.s

## 15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 90/492/EEC

- Contains:
- Symbol(s):

**R-phrase(s):** R10 - Flammable.

**S-phrase(s):** S2 - Keep out of reach of children. S3 - Keep in a cool place.. S9 - Keep container in a well-ventilated place.. S16 - Keep away from sources of ignition - No smoking. S33 - Take precautionary measures against static discharges..

## 16. OTHER INFORMATION

**Recommended use:**

**Recommended restrictions:**

**Revision number:** 5

**Further information:** CN no: 38140090

Contact Name: Carolyn Booth

Department: Technical

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# Technical Data Sheet



<b>PRODUCT DESCRIPTION:</b>	<b>UltracLens</b>	<b>DATE:</b>	<b>03/97</b>
<b>PRODUCT CODE:</b>	<b>ULC</b>	<b>PAGES:</b>	<b>1</b>

## PRODUCT DESCRIPTION

A special blend of solvents for cleaning of critical electro-mechanical applications, and is highly recommended for cold cleaning applications in conjunction with all types of electro-mechanical equipment. **ULC** is also ideal for use in cleaning tanks, as it has a low evaporation rate and high flashpoint. A full range of cleaning solvents are available from **Electrolube**. The range includes fast evaporating solvents and water based cleaners.

## PRODUCT USE

For safe, rapid cleaning of all types of electro-mechanical equipment where the use of water-based chemicals is inadvisable. Removes grease, oxides, flux and general dirt. **UltracLens** is harmless to metals and fabrics under normal conditions and safe to use on most plastics, however a small area should be tested before use.

## FEATURES

- \* Powerful, penetrating action, works faster than conventional solvents.
- \* Lower toxicity than conventional halogenated solvents.
- \* High flash point, reducing the risk of fire caused by flammable solvents.
- \* 100% Ozone Friendly in both bulk and aerosol forms
- \* CO<sub>2</sub> propelled aerosol version available containing 20% more active cleaner.

## PROPERTIES

Form:	Clear, Colourless Liquid
Boiling Point:	173-193°C
Freezing Point:	<-50°C
Vapour Pressure @ 38°C:	3.75 mm/Hg (0.5 kPa)
Specific Gravity @ 20°C:	0.79
Viscosity @ 20°C:	1.48
Inhalation Toxicity:	300 ppm
Flash Point:	>60°C
Residue on Evaporation:	<10 ppm

## PACKAGING

200 ml Aerosol  
200 ml Pumpspray  
400 ml Aerosol  
1 Litre Bulk  
5 Litre Bulk  
25 Litre Bulk

## ORDER CODE

ULC200D  
ULC200ML  
ULC400D  
ULC01L  
ULC05L  
ULC25L

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