

SAFETY DATA SHEET

PAGE: 1 of 3

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 (CO2)	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 (CO2).

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 ₂)	Long term (8 hrs) = 5000 ppm / 9000 mgm ⁻³ Short term (15 min) = 15000 ppm / 27000 mgm ⁻³
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

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

Product name: **ULTRACLENS**

PAGE: 3 of 3

PRINT DATE: 06/08/1997

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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

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Department: Technical

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Technical Data Sheet



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

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
- * CO₂ 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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