

SAFETY DATA SHEET

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Revision Date: 07/06/2000
REF.: ULS400DB

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

Product name: ULTRASOLVE (COMBI)
Product code: ULS400DB
ELECTROLUBE
H.K. Wentworth Ltd.,
Wentworth House, Blakes Road,
Wargrave, Berkshire, RG10 8AW, United Kingdom.
Telephone (UK): +44 (0) 118 9404031 **Fax No:** +44 (0) 118 9403084
Telephone (FR): +33 (0) 148 15 4363
Telephone (DE): +49 (0) 221 9355350

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical Name	CAS-No.	EC-No.	Class	Weight %
1-METHOXY-2-PROPANOL	107-98-2	203-539-1	R10	20-35
~PROPAN-2-OL	67-63-0	200-661-7	F; R11 Xi; R36 R67	20-35
Proprietary hydrocarbon solvent	92062-15-2	-	F; R11	30-40
1,1,1,2-TETRAFLUOROETHANE (134a)	811-97-2	213-377-0		< 20
1,1-DIFLUOROETHANE (152a)	75-37-6	200-866-1	F+; R12	< 10

3. HAZARDS IDENTIFICATION

Most important hazards: Highly flammable. Irritating to eyes.
Specific hazards: Irritant effect on eyes. Prolonged skin contact may defat the skin and produce dermatitis. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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.

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Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Specific methods: not applicable

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 breathe 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:

1-METHOXY-2-PROPANOL

~PROPAN-2-OL

Proprietary hydrocarbon solvent

1,1,1,2-TETRAFLUOROETHANE (134a)

1,1-DIFLUOROETHANE (152a)

National occupational exposure limits:
HSC(EH40)

Long term (8 hrs) = 100ppm/375mgm⁻³

Short term (15 min) = 300ppm/1120mgm⁻³

Long term (8 hrs) = 400ppm / 999mgm⁻³

Short term (15 min) = 500ppm / 1250mgm⁻³

Long term (8 hrs) = 300ppm

Long term (8 hrs) = 1000ppm / 4240mgm⁻³

Long term (8 hrs) = 1000ppm (manufacturers recommendation)

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

- **Respiratory protection:** not required under normal use.
- **Hand protection:** solvent-resistant gloves (butylrubber)
- **Eye protection:** goggles / 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: Lemon

Boiling point/range: >80 °C

Melting point/range: <-29 °C

Flash point: approx. 0 °C

Autoignition temperature: >200 °C

Explosion limits: - lower 0.6 vol. %

- upper 8.3 vol. %

Oxidising properties: no data available

Vapour pressure: (20 °C) 115.2 hPa

Relative density: (20 °C) >= 0.78

Solubility:

Water solubility immiscible g/l)

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Partition coefficient (n-octanol/water) no data available
Viscosity: no data available mPa.s

10. STABILITY AND REACTIVITY

Stability: Stable. Vapours may form explosive mixture with air..
Conditions to avoid: Heating in air.
Materials to avoid: oxidising agents (strong)
Hazardous decomposition products: none under normal use

11. TOXICOLOGICAL INFORMATION

Acute toxicity: IPA: LD50/oral/rat = 5.05g/kg
Methoxy propanol: LD50/oral/rat = >5.9g/kg
Local effects: Solvents may degrease the skin. May cause eye or skin irritation with susceptible persons.
Sensitisation: Not applicable
Long term toxicity: Liver injury may occur.
Chronic toxicity: Chronic intensive skin contact may cause dermatitis.

12. ECOLOGICAL INFORMATION

Mobility: No data is available on the product itself.
Persistence and degradability: Propan-2-ol: Readily biodegradable, according to appropriate OECD test. (>99.9%)
Bioaccumulation: Not applicable
Ecotoxicity effects: Propan-2-ol: LC50/96h/fathead minnows = 9600mg/l

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	Marine pollutant:	NO
ADR/RID			
Class:	2	Item:	5 ° F
		HI/UN No:	1950
Proper shipping name:	Aerosol dispensers		
IMO			
Class:	2	IMDG Page:	2102
EmS:	2-13	MFAG:	620
Proper shipping name:	Aerosol dispensers		
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: Isopropanol

- Symbol(s):



F - Highly
flammable



Xi - Irritant

R-phrase(s):

R11 - Highly flammable. R36 - Irritating to eyes. R67 - Vapours may cause drowsiness and dizziness.

S-phrase(s):

S 2 - Keep out of reach of children. S 7 - Keep container tightly closed. S16 - Keep away from sources of ignition - No smoking. S24/25 - Avoid contact with skin and eyes. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. OTHER INFORMATION

Revision number:

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Further information:

CN no. 38140090

Contact Name: Carolyn Booth

Department: Technical

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