

# SAFETY DATA SHEET

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Revision Date: 07/06/2000

REF.: CP0386 RS 236-1874

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

**Product name:** LABEL REMOVER

**Product code:** LRM200DB

**Supplier:** ELECTROLUBE  
H.K. Wentworth Ltd.,  
Wentworth House, Blakes Road,  
Wargrave, Berkshire, RG10 8AW, United Kingdom.

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Identification of the preparation

| Chemical Name                    | CAS-No.   | EC-No.    | Class       | Weight % |
|----------------------------------|-----------|-----------|-------------|----------|
| 3-BUTOXYPROPAN-2-OL              | 5131-66-8 | 225-878-4 | Xi; R36/38  | >10      |
| P-MENTHA-1,8(9)-DIENE (LIMONENE) | 138-86-3  | 205-341-0 | R10 Xi; R38 | 25       |
| 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     |
| NON HAZARDOUS CONSTITUENTS       |           |           |             | > 40     |

## 3. HAZARDS IDENTIFICATION

**Most important hazards:** Flammable. Irritating to skin.

**Specific hazards** Irritant effect on skin. May cause sensitisation by skin contact. High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects.

## 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 with soap and plenty of water.: skin cream

**Eye contact:** Flush eye(s) immediately with plenty of water. If eye irritation persists, consult a specialist.

**Ingestion:** Drink plenty of water. Consult a physician if necessary.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Extinguish with dry chemical or foam

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

**Specific hazards:** Standard procedure for chemical fires.

**Special protective equipment for firefighters:** Wear self contained breathing apparatus for fire fighting if necessary.

**Specific methods:** Not applicable

**6. ACCIDENTAL RELEASE MEASURES**

|                                   |  |
|-----------------------------------|--|
| <b>Personal precautions:</b>      | Do not breathe vapours or spray mist.                                    |
| <b>Environmental precautions:</b> | Do not contaminate surface water.  |
| <b>Methods for cleaning up:</b>   | Soak up with inert absorbent material and dispose of as hazardous waste. |

**7. HANDLING AND STORAGE**

|                  |  |
|------------------|--|
| <b>Handling:</b> | Avoid contact with the skin and the eyes. Do not breathe vapours/dust. When using, do not eat, drink or smoke. |
| <b>Storage:</b>  | Keep containers tightly closed in a cool, well-ventilated place.   |

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

|                                  |   |
|----------------------------------|---|
| <b>Chemical Name:</b>            | <b>National occupational exposure limits:</b><br><b>HSC(EH40)</b> |
| 3-BUTOXYPROPAN-2-OL              |   |
| P-MENTHA-1,8(9)-DIENE (LIMONENE) |   |
| 1,1,1,2-TETRAFLUOROETHANE (134a) | Long term (8 hrs) = 1000ppm / 4240mgm <sup>-3</sup>               |
| 1,1-DIFLUOROETHANE (152a)        | Long term (8 hrs) = 1000ppm (manufacturers recommendation)        |

**NON HAZARDOUS CONSTITUENTS**

|                                       |  |
|---------------------------------------|--|
| <b>Engineering measures:</b>          | Ensure adequate ventilation, especially in confined areas.           |
| <b>Personal protective equipment:</b> |  |
| - <b>Respiratory protection:</b>      | Not applicable   |
| - <b>Hand protection:</b>             | Not applicable   |
| - <b>Eye protection:</b>              | Not applicable   |
| - <b>Skin and body protection:</b>    | Not applicable.  |
| <b>Hygiene measures:</b>              | Wash hands before breaks and immediately after handling the product. |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                  |                    |
|----------------------------------|--------------------|
| <b>Form:</b>                     | liquid             |
| <b>Colour:</b>                   | colourless         |
| <b>Odour:</b>                    | Lemon              |
| <b>Boiling point/range:</b>      | 173-193 °C         |
| <b>Melting point/range:</b>      | < -50 °C           |
| <b>Flash point:</b>              | 52 °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>Relative density:</b>         | ( 20 °C) >= 0.79   |
| <b>Solubility:</b>               |                    |
| Water solubility                 | insoluble g/l)     |

**10. STABILITY AND REACTIVITY**

|                             |   |
|-----------------------------|---|
| <b>Stability:</b>           | Stable.   |
| <b>Conditions to avoid:</b> | Keep away from open flames, hot surfaces and sources of ignition. |
| <b>Materials to avoid:</b>  | oxidising agents  |

**Hazardous decomposition products:** No decomposition if stored and applied as directed.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** LD50/oral/rat = >3000mg/kg  
**Local effects:** May cause eye or skin irritation with susceptible persons.  
**Sensitisation:** May cause sensitisation of susceptible persons by skin contact.  
**Long term toxicity:** No data is available on the product itself.  
**Chronic toxicity:** No data is available on the product itself.

## 12. ECOLOGICAL INFORMATION

**Mobility:** Readily biodegradable, according to appropriate OECD test.  
**Persistence and degradability:** No data is available on the product itself.  
**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:** No special precautions required

## 14. TRANSPORT INFORMATION

**UN-No:** 1950

### 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:** 310

**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:** d-Limonene
- **Symbol(s):**



Xi - Irritant

**R-phrase(s):** R10 - Flammable. R38 - Irritating to skin. R43 - May cause sensitization by skin contact.

**S-phrase(s):** - Keep container tightly closed in a cool, well-ventilated place S24 - Avoid contact with the skin. S37 - Wear suitable gloves.

## 16. OTHER INFORMATION

**Revision number:** 2  
**Further information:** CN no. 38140090

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