

SAFETY DATA SHEET

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PRINT DATE: 06/08/1997

REF: SOB200D

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

Product name: SPECIALISED CONTACT OIL
Product code: SOB200D
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 %
DICHLOROMETHANE	75-09-2	200-838-9	Carc. Cat.3; R40	30
1,1,1,2-TETRAFLUOROETHANE (134a)	811-97-2	213-377-0	-	>40
1,1-DIFLUOROETHANE (152a)	75-37-6	200-866-1	R12	<15
NON HAZARDOUS CONSTITUENTS				<20

3. HAZARDS IDENTIFICATION

Most important hazards: Harmful. Class 3 carcinogenic.
Specific hazards: High concentration of vapours may induce unconsciousness, narcosis & fatality. Solvents may degrease the skin: May cause skin irritation and/or dermatitis. Possible risks of irreversible effects.

4. FIRST AID MEASURES

General advice: If victim is unconscious but breathing: Do not induce vomiting. Never give anything by mouth to an unconscious person.
Inhalation: Move to fresh air. If victim has stopped breathing: Oxygen or artificial respiration if needed. Even if there are no symptoms or symptoms not apparently due to the substances send to a doctor and show him this card.
Skin contact: Wash off with plenty of water.
Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Consult a physician.
Ingestion: Do not induce vomiting. Call a physician immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Extinguish with waterspray, foam or dry powder.

Extinguishing media which must not be used for safety reasons:

Do not use water jet.

Specific hazards: Burning produces irritant fumes : Hydrogen chloride gas.

Special protective equipment for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Specific methods: Cool containers / tanks with spray water.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Keep people away from and upwind of spill/leak.
Environmental precautions:	Do not let product enter drains. Avoid subsoil penetration.
Methods for cleaning up:	Soak up with inert absorbent material. Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Handling:	Do not breath vapours or spray mist. Use only in area provided with appropriate exhaust ventilation. Vapours are heavier than air and may spread along floors.
Storage:	Store in a cool and shaded area. Ensure adequate ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name:	National occupational exposure limits:
DICHLOROMETHANE	Long term (8 hrs) = 100ppm / 350mgm ⁻³ Short term (15 min) = 300ppm / 1050mgm ⁻³
1,1,1,2-TETRAFLUOROETHANE (134a)	Long term (8 hrs) = 1000ppm / 4200mgm ⁻³
1,1-DIFLUOROETHANE (152a)	Long term (8 hrs) = 1000ppm
NON HAZARDOUS CONSTITUENTS	

Engineering measures

Ensure adequate ventilation, especially in confined areas. Use only in well-ventilated areas.

Personal protection equipment:

- **Respiratory protection:** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- **Hand protection:** solvent-resistant gloves (butylrubber)
- **Eye protection:** safety glasses with side-shields
- **Skin and body protection:** wear personal protective equipment

Hygiene measures:

Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid	* data as for oil
Colour:	colourless	
Odour:	ether-like	
Boiling point/range:	>200	* °C
Melting point/range:	n/d	°C
Decomposition temperature:	>200	* °C
Flash point:	>210	* °C
Autoignition temperature:	>370	* °C
Relative density:	(20 °C)	>= 1.00
Solubility:		
Water solubility		immiscible (g/l)
Viscosity:	(40 °C)	220 * mPa.s

10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to avoid:	Keep away from heat and sources of ignition.
Materials to avoid:	Aluminium powder, alkali metals, amines, potassium, sodium.
Hazardous decomposition products:	Hydrogen chloride gas, phosgene, chlorine.

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11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Methylene chloride: LD50/oral/rat = 1500 - 2500mg/kg
Local effects:	May cause eye or skin irritation with susceptible persons. Inhalation of vapours in high concentration may cause irritation of respiratory system.
Sensitization:	Not applicable
Long term toxicity:	An excessive exposure of laboratory animals results in toxic effects on the kidney and the liver. Blood disorder may occur after prolonged inhalation.
Chronic toxicity:	Methylene chloride has been shown to increase the rate of spontaneously occurring tumours in the B6C3F1 mouse and benign tumours in laboratory rats.

12. ECOLOGICAL INFORMATION

Mobility:	Insoluble in water.
Persistence and degradability:	Not readily biodegradable. No data is available on the product itself.
Bioaccumulation:	Bioconcentration factor (BCF) (methylene chloride) = 2.3.
Ecotoxicity effects:	Aquatic toxicity is unlikely due to low solubility.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	Dispose of as special waste in compliance with the Control of Pollution (Special Waste) Regulations 1980.
Contaminated packaging:	In accordance with local and national regulations. Do not pierce or burn even when empty.

14. TRANSPORT INFORMATION

UN-No:	1950		
ADR/RID			
Class:	2	Item:	5 ° A
		HI/UN No:	1950
Proper shipping name:	Aerosol dispensers		
IMO			
Class:	-	IMDG Page:	-
EmS:	-	MFAG:	-
Proper shipping name:	not a dangerous substance as defined in the above regulations		
ICAO			
Class:	2.2	UN/ID No:	1950
Proper shipping name	Aerosols, non flammable, n.o.s.,		

15. REGULATORY INFORMATION

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

- Contains: Dichloromethane.
- Symbol(s):



Harmful.

R-phrases: R40 - Possible risks of irreversible effects.

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S-phrases(s): S2 - Keep out of reach of children. S23 - Do not breathe vapour S24/25 - Avoid contact with skin and eyes. S36/37 - Wear suitable protective clothing and gloves.

16. OTHER INFORMATION**Recommended use:****Recommended restrictions:****Revision number:** 1**Further information:** CN no: 38140090
Contact Name: Carolyn Booth
Department: Technical

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