SAFETY DATA SHEET

PAGE: 1 of 4

PRINT DATE: 20/01/1998

REF: PRP200

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

POSITIVE PHOTORESIST

Product code: Supplier:

Product name:

PRP200 ELECTROLUBE H.K. Wentworth Ltd., Wentworth House, Blakes Road, Wargrave, Berkshire, RG10 8AW, United Kingdom. 0118 9404031 Fax No: 0118 9403084

Emergency telephone number:

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation				
Chemical Name	CAS-No	EC-No	Class	Weight %
DIMETHYL ETHER	115-10-6	204-065-8	F+; R12	< 50
ACETONE	67-64-1	200-662-2	F; R11	< 40
N-BUTYL ACETATE	123-86-4	204-658-1	R10	< 5
1-METHOXY-2-PROPANOL	107-98-2	203-539-1	R10	< 5
2-METHOXY-1-METHYLETHYL ACETATE	108-65-6	203-603-9	R10 Xi; R36	< 4
XYLENE, MIXTURE OF ISOMERS	1330-20-7	215-535-7	R10 Xn; R20/21 Xi; R38	< 2

NON HAZARDOUS CONSTITUENTS

3. HAZARDS IDENTIFICATION

Most important hazards:	Extremely 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. High concentration of vapours may induce unconsciousness / asphyxia. Rapid evaporation of the liquid may cause frostbite.

4. FIRST AID MEASURES

General advice:	Remove from exposure, lie down. Do not give adrenaline or similar drugs.
Inhalation:	Move to fresh air. Keep patient warm. Apply artificial respiration only if patient is not breathing. Consult a physician after significant exposure.
Skin contact:	In case of contact with liquid, thaw frosted parts with water, then remove clothing carefully. Treat frostbitten areas as needed.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.
Ingestion:	Not applicable - gaseous material.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: small amounts Extinguish preferably with dry chemical.

Extinguishing media which must Do not use water jet. **not be used for safety reasons:**

Personal precautions: Environmental precaut Methods for cleaning u 7. HANDLING AND S Handling: L Storage: S	ipment II ipment II C EASE ME ions: p: STORAGE Jse only in we iot eat, drink of Store in a coo iources of ign	Consult an expert. backages. Water m in the event of fire, v Consult an expert ASURES Evacua ignition floors. No spe Ensure ell-ventilated areas or smoke. Avoid co I and shaded area. ition.	Fire or intense nist may be use wear self-conta ate personnel to . Vapours are Ensure adequ ecial environme a adequate ven . Do not breath ontact with skir . Ensure adequ DTECTION	ental precautions required tilation.	upture of ers. S. I sources of spread along /hen using, do
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3	ROLS / PI	ERSONAL PRO		ocupational exposure lin	
8. EXPOSURE CONT			National or	ounational oxposure lin	
Chemical Name:			National ot	cupational exposure in	nits:
DIMETHYL ETHER			Long term (Short term (8 hrs) = 400ppm/750mgn (15 min) = 500ppm/940m	n ⁻³ gm ⁻³
ACETONE				8 hrs) = 750ppm/1780mg (15 min) = 1500ppm/3560	
N-BUTYL ACETATE				8 hrs) = 150ppm (15 min) = 200ppm	
1-METHOXY-2-PROPA	NOL		Long term (8 hrs) = 100ppm/360mgn (15 min) = 300ppm/1080r	
2-METHOXY-1-METHY XYLENE, MIXTURE OF		ΕΤΑΤΕ	Long term (8 hrs) = 100ppm / 435mg	jm ⁻³
NON HAZARDOUS CO		e	Short term ((15 min) = 150ppm / 650r	ngm⁻³
		-	ro odoguoto va	entilation, especially in cor	afinad areas
Engineering measures Personal protection et		Ensu	re adequate ve	entilation, especially in cor	inneu areas.
- Respiratory pro		not required u	under normal u	se.	
- Hand protection		•	under normal u		
- Eye protection:		safety glasses	6		
 Skin and body p 	protection:	not required u	inder normal u	se	
Hygiene measures:		When using, c	do not eat, drin	k or smoke.	
9. PHYSICAL AND CI	HEMICAL	PROPERTIES			
Form:		liquid	* DME	**Acetone	
Colour:		green			
Odour:		Slightly sweet		° 0	
Boiling point/range:			56 **	С Э	
Melting point/range:			< -76 **	С С	
Flash point:			- 48 *	ວ° ວ	
Autoignition temperat	ure:	lowor	> 235		
Explosion limits:		- lower	0.6	vol. %	

Product name:

POSITIVE PHOTORESIST

PAGE: 3 of 4

PRINT DATE: 20/01/1998

REF: PRP200

-upper 8.3 ⁺⁺ vol. % Relative density: (20 °C) 3200 ⁺ hPa Relative density: (20 °C) >= 0.823 Solubility: immiscible (g/l) 10. STABILITY AND REACTIVITY Stable. Vapours may form explosive mixture with air. Conditions to avoid: Keep away from heat and sources of ignition. Oxidizing agents No decomposition if stored and applied as directed. 11. TOXICOLOGICAL INFORMATION DME: LC50/inhalation/4h/rat = 16.4% in air Acetone: LD50/ioral/rat = 8.5 m/kg Local effects: High concentration of vapours may cause irritation to eyes and respiratory system and produce narrotic effects. Prolonged skin contact may defat the skin and produce dermatitis. Sensitization: Not data is available on the product itself Chronic toxicity: No data is available on the product itself 21. ECOLOGICAL INFORMATION Motatia is available on the product itself 13. DISPOSAL CONSIDERATIONS Evaporates. No hazards deemed to be of major importance. Bioaccumulation: 1950 Marine pollutant: Not applicable Local effects: No data is available on the product itself 13. DISPOSAL CONSIDERATIONS Empty remaining contents. In accordance with local and national regulations.				REF: PRP200		
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I4. TRANSPORT INFORMATION UN-No: 1950 Marine pollutant: no ADR/RID	Waste from residues / unused			s. In accordance with local and		
UN-No:1950Marine pollutant:noADR/RID2Item:5° FClass:2Aerosol dispensers5° FProper shipping name:Aerosol dispensers2IMO2IMDG Page:2102EmS:2-13MFAG:330Proper shipping name:Aerosol dispensers330ICAO2.1IMDG Page:5° FClass:2.1Aerosol dispensers5° FProper shipping name:2.15° FProper shipping name:2.15° FProper shipping name:3.15° FProper shipping name:4.15° FAerosols, flammable, n.o.s5° F	Contaminated packaging:	Do not pie	erce or burn eve	en when empty		
ADR/RID Class: 2 Item: 5° F Proper shipping name: Aerosol dispensers MO Class: 2 IMDG Page: 2102 EmS: 2-13 MFAG: 330 Proper shipping name: Aerosol dispensers CAO Class: 2.1 Proper shipping name: Aerosol dispensers	14. TRANSPORT INFORMA	TION				
Class:2Item:5° FProper shipping name:Aerosol dispensersMOIMDG Page:2102EmS:2-13MFAG:330Proper shipping name:Aerosol dispensersCAOEdass:2.1Class:2.1Proper shipping name:Aerosols, flammable, n.o.s	UN-No:	1950 Marine	e pollutant:	no		
Proper shipping name:Aerosol dispensersMOClass:2IMDG Page:2102EmS:2-13MFAG:330Proper shipping name:Aerosol dispensers	ADR/RID					
IMOClass:2IMDG Page:2102EmS:2-13MFAG:330Proper shipping name:Aerosol dispensersICAO2.1Class:2.1Proper shipping name:Aerosols, flammable, n.o.s	Class:	2 It	em:	5º F		
Class:2IMDG Page:2102EmS:2-13MFAG:330Proper shipping name:Aerosol dispensers	Proper shipping name:	Aerosol dispensers				
EmS:2-13MFAG:330Proper shipping name:Aerosol dispensers330CAOClass:2.1Proper shipping nameAerosols, flammable, n.o.s	MO					
Proper shipping name: Aerosol dispensers CAO 2.1 Proper shipping name Aerosols, flammable, n.o.s	Class: 2	IMD	G Page: 2 ⁻	102		
CAO Class: 2.1 Proper shipping name Aerosols, flammable, n.o.s	EmS: 2-13	3 MFA	AG: 33	30		
Class:2.1Proper shipping nameAerosols, flammable, n.o.s	Proper shipping name: Aer	osol dispensers				
Proper shipping name Aerosols, flammable, n.o.s		-				
	Class: 2.1					
	Proper shipping name Aer	osols, flammable, n.o.s				

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

- Contains:

- Symbol(s):	
	F+ -
	Extremely flammable
R-phrase(s):	R12 - Extremely flammable.
S-phrase(s):	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
6. OTHER INFORMA	ΤΙΟΝ
Recommended use:	
Recommended restricti	ons:
Revision number:	3
Further information:	CN no: 37079090
	Contact Name: Carolyn Booth
	Department: Technical

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