

SAFETY DATA SHEET

PAGE: 1 of 3

PRINT DATE: 06/08/1997

REF: PDN

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

Product name: PHOTORESIST DEVELOPER
Product code: PDN
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 %
SODIUM HYDROXIDE	1310-73-2	215-185-5	C; R35	< 2
NON HAZARDOUS CONSTITUENTS				> 98

3. HAZARDS IDENTIFICATION

Most important hazards: Irritant
Specific hazards: May cause irritation of the mucous membranes, eyes, skin. Repeated exposure causes burns. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

4. FIRST AID MEASURES

General advice: If you feel unwell, seek medical advice (show the label where possible)
Inhalation: Move to fresh air. Consult a physician after significant exposure
Skin contact: Wash off with soap and plenty of water. If skin irritation persists, call a physician.
Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician if necessary.
Ingestion: Drink plenty of water. Do not induce vomiting. Consult a physician for severe cases.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:
Extinguishing media which must not be used for safety reasons:
None
Specific hazards: None
Special protective equipment for firefighters:

Specific methods: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment
Environmental precautions: Do not flush into surface water
Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

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7. HANDLING AND STORAGE

Handling: When using, do not eat, drink or smoke. Avoid contact with the skin and the eyes.
Storage: No special storage conditions required.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name:	National occupational exposure limits:
SODIUM HYDROXIDE	Short term (15 min) = 2mgm ⁻³
NON HAZARDOUS CONSTITUENTS	

Engineering measures**Personal protection equipment:**

- **Respiratory protection:** not applicable
- **Hand protection:** Latex gloves
- **Eye protection:** safety glasses
- **Skin and body protection:**

Hygiene measures:

Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:		liquid	
Colour:		colourless	
pH:	(20 °C)	14	
Boiling point/range:		100	°C
Melting point/range:		0	°C
Flash point:		does not flash	°C
Vapour pressure:	(20 °C)	23.4	hPa
Relative density:	(20 °C)	>= 1.1	
Bulk density:		1100	kg/m ³
Solubility:			
Water solubility	(20 °C)	completely miscible	(g/l)

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to avoid: none under normal use
Materials to avoid: none under normal use
Hazardous decomposition products: No decomposition if stored and applied as directed

11. TOXICOLOGICAL INFORMATION

Acute toxicity: No data is available on the product itself
Local effects: Irritating to eyes and skin. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Sensitization: Not applicable
Long term toxicity: Not applicable
Chronic toxicity: Not applicable

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12. ECOLOGICAL INFORMATION**Mobility:** no data available**Persistence and degradability:****Bioaccumulation:****Ecotoxicity effects:****13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products:** No special precautions required**Contaminated packaging:** No special precautions required**14. TRANSPORT INFORMATION****Proper shipping name** Not classified as dangerous in the meaning of transport regulations**15. REGULATORY INFORMATION****Classification according to European directive on classification of hazardous preparations 90/492/EEC****- Contains:** Sodium hydroxide**- Symbol(s):**

Irritant

R-phrase(s): R36/38 - Irritating to eyes and skin.**S-phrase(s):** S2 - Keep out of reach of children. S23 - Do not breathe vapour. S36 - Wear suitable protective clothing..**16. OTHER INFORMATION****Recommended use:****Recommended restrictions:****Revision number:** 2**Further information:** CN no. 34029010

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Department: Technical

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