



Chemical Products Division



# SAFETY DATA SHEET

## Posi-Dev Premium

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

**PRODUCT NAME:** Posi-Dev Premium

**PART No.:** 7595

**APPLICATIONS:** A positive plate developer

**SUPPLIER:** Varn Products Company Limited  
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M44 5BL  
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### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME	EINECS Nr.:	CLASSIFICATION	CONTENT
CAS No.: DISODIUM METASILICATE 6834-92-0	229-912-9	C R-34, 37	10-30 %
ETHYLENEDIAMINETETRA ACETIC ACID TETRASODIUM SALT 64-02-8	200-573-9	Xi R-36	1-5 %

The Full Text for all R-Phrases are Displayed in Section 16

**COMPOSITION COMMENTS:** An aqueous blend

### 3. HAZARDS IDENTIFICATION:

Causes burns.

### 4. FIRST AID MEASURES:

**INHALATION:** No hazard anticipated.

**INGESTION:** Rinse mouth thoroughly. Get medical attention if any discomfort continues.

**SKIN:** Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention promptly if symptoms occur after washing.

**EYES:** Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

## 5. FIRE FIGHTING MEASURES:

**EXTINGUISHING MEDIA:** This material is not flammable. Use extinguishing media appropriate for surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES:

**SPILL CLEANUP METHODS:** Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

## 7. HANDLING AND STORAGE:

**USAGE PRECAUTIONS:** Maintain good standards of hygiene and work practices. Wear full protective clothing for prolonged exposure and/or high concentrations.

**STORAGE PRECAUTIONS:** Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

### PROTECTIVE EQUIPMENT:



**VENTILATION:** Provide adequate general and local exhaust ventilation.

**PROTECTIVE GLOVES:** Chemical resistant gloves required for prolonged or repeated contact. Use Nitrile Gloves.

**EYE PROTECTION:** Wear approved chemical safety goggles where eye exposure is reasonably probable.

**OTHER PROTECTION:** Wear appropriate clothing to prevent any possibility of skin contact.

**HYGIENIC WORK PRACTICES:** DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

<b>APPEARANCE:</b>	Liquid.		
<b>COLOUR:</b>	Colourless.		
<b>ODOUR/TASTE:</b>	Mild (or faint).		
<b>BOILING POINT (°C, interval):</b>	> 100	<b>Pressure:</b>	760mmHg
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	1.12	<b>Temperature (°C):</b>	20
<b>pH-VALUE, CONC. SOLUTION:</b>	12 - 13		
<b>SOLUBILITY DESCRIPTION:</b>	Soluble in water.		
<b>FLASH POINT (°C):</b>	> 100	<b>Method:</b>	CC (Closed cup).

## 10. STABILITY AND REACTIVITY:

<b>STABILITY:</b>	Normally stable.
<b>CONDITIONS TO AVOID:</b>	Avoid excessive heat for prolonged periods of time.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	No specific hazardous decomposition products noted.

## 11. TOXICOLOGICAL INFORMATION:

<b>SKIN:</b>	Causes burns.
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## 12. ECOLOGICAL INFORMATION:

<b>ECOLOGICAL INFORMATION:</b>	Not regarded as dangerous for the environment. Volatile Organic Content (%) is equal to Zero
<b>MOBILITY:</b>	Solubility in water: Soluble in water
<b>BIO ACCUMULATION:</b>	No data available.
<b>DEGRADABILITY:</b>	No data available.
<b>ACUTE FISH TOXICITY:</b>	No data available.
<b>WATER HAZARD CLASSIFICATION:</b>	Germany : WGK 1

## 13. DISPOSAL CONSIDERATIONS:

<b>DISPOSAL METHODS:</b>	Dispose of in accordance with Local Authority requirements.
<b>WASTE CLASS:</b>	Regulation 2000/532/EC - Chapter Heading: Waste from the photographic industry - 090102. Description: Water-based offset developer solutions.

## 14. TRANSPORT INFORMATION:

### LABEL FOR CONVEYANCE:



<b>UN No. ROAD:</b>	1719
<b>UK ROAD PACK GR.:</b>	II
<b>ADR CLASS:</b>	Class 8: Corrosive substances.
<b>ADR LABEL No.:</b>	8
<b>PROPER SHIPPING NAME I:</b>	Caustic Alkali Liquid N.O.S (Sodium Metasilicate)
<b>RID CLASS No.:</b>	8
<b>UN No. SEA:</b>	1719
<b>IMDG CLASS:</b>	8
<b>IMDG PACK GR.:</b>	II
<b>EmS No.:</b>	F-A, S-B

## 15. REGULATORY INFORMATION:

### LABEL FOR SUPPLY:



<b>CONTAINS</b>	DISODIUM METASILICATE
<b>RISK PHRASES:</b>	R-34 Causes burns.
<b>SAFETY PHRASES:</b>	S-24/25 Avoid contact with skin and eyes. S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-27 Take off immediately all contaminated clothing. S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S-60 This material and its container must be disposed of as hazardous waste.
<b>EU DIRECTIVES:</b>	Dangerous Substances Directive (67/548/EEC). Dangerous Preparations Directive (1999/45/EC). Safety Data Sheets Directive (91/155/EEC) (As amended).
<b>STATUTORY INSTRUMENTS:</b>	Chemicals (Hazard Information and Packaging) Regulations.
<b>APPROVED CODE OF PRACTICE:</b>	Classification and Labelling of Substances and Preparations Dangerous for Supply.

**GUIDANCE NOTES:** Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

## 16. OTHER INFORMATION:

**REVISION COMMENTS:** Section 13 update

**ISSUED BY:** Varn Products Laboratory

**REVISION DATE:** 27/11/03

**REV. No./REPL. SDS GENERATED:** 16/05/03

**SDS No.:** 2

**DISCLAIMER:** The information in this material Safety Data Sheet is based on the present state of our knowledge and on the current EC and National Regulations. The information relates to the specific product designated and may not be valid if it is used in combination with other materials or process.  
Nothing herein is to be construed as warranty, expressed or implied. It is always the responsibility of the user to take the necessary steps in order to fulfil the demands laid down in the rules and legislation. The product is for Industrial use only.

**R-PHRASES (Full Text):** R-34 Causes burns. R-37 Irritating to respiratory system. R-36 Irritating to eyes.