

# MATERIAL SAFETY DATA SHEET

Shibley Company Inc.  
2300 Washington Street  
Newton, Massachusetts 02162  
Emergency Phone: (617) 969-5500

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EFFECTIVE DATE: 15 November 1985

PRODUCT NAME: PHOTOPOSIT® 303A DEVELOPER

60540

PRODUCT CLASS: Developer

## SECTION I - HAZARDOUS COMPONENTS

COMPONENT	CAS NO.	PERCENT	ACGIH TLV (mg/m3)	CARCINOGEN STATUS
Sodium hydroxide	1310-73-2	5	(2)	N.A.

Proprietary ingredients, including water, not deemed hazardous per OSHA Hazard Communication Standard.

## SECTION II - PHYSICAL DATA

BOILING POINT: > 212°F	SPECIFIC GRAVITY: Approx. 1.0-1.1
VAPOR PRESSURE (mmHg): N.A.	SOLUBILITY IN WATER: Complete
% VOLATILE BY VOL: N.A.	pH: > 12
EVAPORATION RATE: N.A.	
VAPOR DENSITY(AIR=1): N.A.	
PEARANCE AND ODOR: Brown liquid with no noticeable odor.	

## SECTION III - PHYSICAL HAZARDS

DOT PROPER SHIPPING NAME: Sodium Hydroxide Solution  
DOT HAZARD CLASSIFICATION: Corrosive Material  
DOT HAZARD IDENTIFICATION NUMBER: UN1824

## FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Non-flammable  
EXTINGUISHING MEDIA: Water, carbon dioxide, dry chemicals  
SPECIAL FIRE FIGHTING PROCEDURES: None  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

## REACTIVITY DATA

STABILITY: Stable  
CONDITIONS TO AVOID: None known  
INCOMPATIBILITY: Acids  
DECOMPOSITION PRODUCTS: Neutralization produces heat.  
HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION V - HEALTH HAZARDS

EXPOSURE LIMITS: Not established. Avoid exposure to mists or vapors above component TLV.

ROUTES OF ENTRY: Inhalation of mist, ingestion, eye and skin contact.

ACUTE EFFECTS: Contact with eyes may cause irritation or burns. Contact with skin and mucous membranes may cause irritation.

CHRONIC EFFECTS: None known.

EMERGENCY FIRST AID PROCEDURES:

INGESTION: Contact physician immediately.

EYE CONTACT: Flush with water immediately for at least 15 minutes, then contact a physician.

SKIN CONTACT: Flush skin with plenty of water. Contact a physician if irritation persists.

INHALATION: Move to fresh air.

SECTION VI - SPILL, LEAK AND DISPOSAL PROCEDURES

ACTION TO TAKE FOR SPILLS: Flush with cold water into waste treatment system for neutralization. Spills may be absorbed with appropriate absorbent material for dilute alkaline solutions and placed in container for disposal.

DISPOSAL METHOD: Dispose of in accordance with all federal, state and local regulations. Contact Shipley Technical Service Representative if further assistance is needed.

SECTION VII - PRECAUTIONS FOR SAFE USE AND HANDLING

VENTILATION: Provide adequate general exhaust ventilation.

RESPIRATORY PROTECTION: None normally required unless product is sprayed. In situations where mists or vapors may form (such as spraying), use a NIOSH approved respirator.

EYE PROTECTION: Chemical goggles.

PROTECTIVE CLOTHING: Chemical gloves and suitable protective clothing to prevent skin contact.

WORK PRACTICES: Avoid skin contact. Practice good personal hygiene to prevent accidental exposure.

SECTION VIII - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: CAUTION! Treat as a dilute alkaline solution. Store in closed original container in a cool, dry area at 50-90°F. Keep away from acids. Do not store in direct sunlight.

N.A. Denotes no applicable information was found.

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE  
CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED IS  
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