



# M A T E R I A L S A F E T Y D A T A S H E E T

SHIPLEY COMPANY, INC.  
2300 Washington Street  
Newton, Massachusetts 02162

Emergency Phone: (617)969-5500

Chemtrec Number: (800)424-9300

## Section I - PRODUCT INFORMATION

PRODUCT NAME: PHOTOPOSIT(R) 303 A DEVELOPER

PRODUCT CLASS: Developer

EFFECTIVE DATE: 3 March 1989

MSDS # PC-00020 SUPERSEDES: 11-15-1985

PREPARED BY: T. Blakeslee

## Section II - HAZARDOUS COMPONENTS

<u>COMPONENT</u>	<u>CAS #</u>	<u>WEIGHT%</u>	<u>ACGIH TLV</u> <u>ppm(mg/m3)</u>	<u>OSHA PEL</u> <u>ppm(mg/m3)</u>
Sodium Hydroxide	1310-73-2	4	(2)	(2)
Non-Hazardous				
Ingredients	N.A.	11	N.A.	N.A.
Water	N.A.	85	N.A.	N.A.

## Section III - HEALTH HAZARDS

CARCINOGENIC STATUS: Not considered carcinogenic by NTP, IARC and OSHA.

EXPOSURE LIMITS: Not established. Keep vapor concentrations below component TLV's.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

### Section III - HEALTH HAZARDS

- ROUTES OF ENTRY: Inhalation of mists or vapors, eye and skin contact, ingestion, skin absorption.
- ACUTE EFFECTS: Corrosive to all body tissues. Eye and skin contact, inhalation and ingestion can cause severe irritation and burns. Onset of symptoms may be delayed.
- CHRONIC EFFECTS: Prolonged, repeated contact with skin can cause drying, cracking, defatting, dermatitis.
- EMERGENCY FIRST AID PROCEDURES:
- INGESTION: Do not induce vomiting. Give large amounts of water. Never give anything by mouth to an unconscious person. Contact physician at once.
- EYE CONTACT: Flush immediately with plenty of water for at least 15 minutes. Contact physician.
- SKIN CONTACT: Flush immediately with plenty of water for at least 15 minutes. Remove contaminated clothing. Contact physician. Wash clothing before reuse.
- INHALATION: Move into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Contact physician at once.

NOTE TO PHYSICIAN: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

### Section IV - PHYSICAL DATA

- APPEARANCE AND ODOR: Brown liquid with no noticeable odor.
- % VOLATILE BY WEIGHT: N.A.
- EVAPORATION RATE: N.A.
- SPECIFIC GRAVITY: Approx. 1.0-1.1
- VAPOR DENSITY(AIR=1): N.A.



#### Section IV - PHYSICAL DATA

SOLUBILITY IN WATER: Complete  
BOILING POINT: > 212° F  
pH: > 12  
VAPOR PRESSURE (MMHg): N.A.

#### Section V - PHYSICAL HAZARDS

##### FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Non-flammable  
METHOD USED: N.A.  
FLAMMABLE LIMITS (% IN AIR): N.A.  
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.

#### Section VI - SPILL, LEAK AND DISPOSAL PROCEDURES

##### ACTION TO TAKE FOR SPILL:

Spills may be absorbed with appropriate absorbent material for alkaline solutions and placed in a suitable container for disposal. To clean contaminated floors, flush with abundant quantities of water into sewer or waste treatment system if permitted by federal, state and local regulations. If not, collect water and treat.

## Section VI - SPILL, LEAK AND DISPOSAL PROCEDURES

Dispose of contaminated product and materials used in cleaning up spills and leaks in a manner approved for this material.

### DISPOSAL:

Due to the nature of this product, disposal of it, or residues therefrom should be made in compliance with federal, state and local environmental laws.

Contact your Shipley Technical Representative for more information. It is your responsibility to verify that any recommended procedures comply with federal, state and local regulations for wastewater discharge.

## Section VII - PRECAUTIONS FOR SAFE USE AND HANDLING

**RESPIRATORY PROTECTION:** The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator. The respirator must be approved by the National Institute for Occupational Safety and Health for the substance of concern.

**EYE PROTECTION:** Chemical goggles.

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

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

**VENTILATION:** Provide good general (mechanical) room ventilation. Special local exhaust ventilation is recommended at points where vapors can be released into the workplace air.



**Section VIII - SPECIAL PRECAUTIONS / ADDITIONAL INFORMATION**

PRECAUTIONS TO TAKE IN HANDLING AND STORAGE: CAUTION! Corrosive alkaline liquid. Store in closed original container in a cool, dry area at 50-90° F. Keep away from acids. Do not store in direct sunlight.

**Section IX - TRANSPORTATION**

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

**Section X - REGULATORY INFORMATION**

**TSCA STATUS:**

The products listed and their components have been manufactured in accordance with the inventory listing and premanufacture notice requirements of the Toxic Substance Control Act.

**MA RIGHT TO KNOW LAW:**

All components have been checked for inclusion on the Massachusetts Substance List.

**CALIFORNIA Proposition 65:**

This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

HAZARD CATEGORIES UNDER CRITERIA OF  
OF SARA TITLE III RULES (40 CFR 370): Immediate

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:

**Section X - REGULATORY INFORMATION**

CAS #	Chemical Name	Percent by Weight
1310-73-2	Sodium Hydroxide	4

**Section XI - NOTICE**

N.A. denotes no applicable information was found

THE DATA CONTAINED HEREIN IS BASED ON INFORMATION THAT SHIPLEY COMPANY BELIEVES TO BE RELIABLE, BUT NO EXPRESSED OR IMPLIED WARRANTY IS MADE WITH REGARD TO THE ACCURACY OF SUCH DATA OR ITS SUITABILITY FOR A GIVEN SITUATION. SUCH DATA RELATES ONLY TO THE SPECIFIC PRODUCT DESCRIBED AND NOT TO SUCH PRODUCTS IN COMBINATION WITH ANY OTHER PRODUCT AND NO AGENT OF SHIPLEY COMPANY IS AUTHORIZED TO VARY ANY OF SUCH DATA. SHIPLEY COMPANY AND ITS AGENTS DISCLAIM ALL LIABILITY FOR ANY ACTION TAKEN OR FOREGONE ON RELIANCE UPON SUCH DATA.



SHIPLEY

RECEIVED

91 MAY 25 AM : 43

SCHOOL CRAFT COLLEGE  
PURCHASING DEPARTMENT

May 21, 1991

School Craft College  
18600 Haggerty Road  
Livonia, Michigan 48152-2696  
ref: PO#: 68169

SUBJECT: ENCLOSED MATERIAL SAFETY DATA SHEETS

Dear Shipley Company Customer:

As a recent purchaser of a Shipley Company product, we are enclosing a Material Safety Data Sheet (MSDS) for those Shipley products you have ordered.

Please take the time to review each enclosed MSDS. The MSDS provide you with the information necessary for training your personnel in accordance with the OSHA Hazard Communication Standard. It is your responsibility to transmit this information to your employees, customers or anyone who may handle, transport or use these products.

These Material Safety Data Sheets supercede earlier versions. Please check your files and replace any previous sheets.

If you should have any questions concerning the contents of an MSDS or any product safety question, please contact our Environmental, Health & Safety Department at (508) 481-7950.

Sincerely,

Nancy A. Ciccolo  
Administrative Assistant