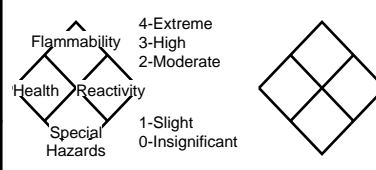


# MATERIAL SAFETY DATA SHEET

POLAROID CORPORATION  
OFFICE OF HEALTH, SAFETY, & ENVIRONMENTAL AFFAIRS  
1265 MAIN STREET - WALTHAM, MA 02254  
(781) 386-0879

Data Sheet No. <b>M-0945</b>	Revision	NFPA FIRE HAZARD SYMBOL
		
Compiled by: <b>E. Karger</b>	Issue Date: <b>22-DEC-1998</b>	

## SECTION I - PRODUCT AND COMPANY IDENTIFICATION

COMMON NAMES: DEVELOPER FLUID CONTAINED IN POD OF 35MM INSTANT FILM  
TYPE POLAPAN

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY: MIXTURE

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## INGREDIENTS

Please note that chemicals present in the mixture in concentrations below 1% which are considered not to be a hazard may not be included in the list of ingredients

Material	%	MSDS#	CAS#	PL# /Comments
SODIUM HYDROXIDE	5-10		001310-73-2	
TETRAMETHYL REDUCTIC ACID; TMRA	7-13		001889-96-9	
N-BENZYL-.ALPHA.-PICOLINIUM BROMIDE	1-5		002654-66-2	
SODIUM SULFITE ANHYDROUS	0.50-1.50		007757-83-7	
6-N-PROPYL-2-THIOURACIL	0.10-1		000051-52-5	

## SECTION III - HAZARDS IDENTIFICATION

### Hazard Signal Word

**WARNING**

### Hazards

CONTAINS ALKALI

Eye Contact May Cause Permanent Eye Damage.

Skin and Mouth Contact May Cause Irritation or Burns.

### Precautionary Measures

Do not get in eyes, on skin, mouth or clothing.

Wash thoroughly after handling

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## INGREDIENT EXPOSURE LIMITS

### SODIUM HYDROXIDE

OSHA Permissible Exposure Limit:	PEL/TWA	2	mg/m3	(ceiling)
ACGIH	TLV/TWA	2	mg/m3	(ceiling)
IDLH	IDLH	10	mg/m3	

### TETRAMETHYL REDUCTIC ACID; TMRA

OSHA Permissible Exposure Limit:	PEL/TWA	None established
ACGIH	TLV/TWA	Not listed

### N-BENZYL-.ALPHA.-PICOLINIUM BROMIDE

OSHA Permissible Exposure Limit:	PEL/TWA	None established
ACGIH	TLV/TWA	Not listed

### SODIUM SULFITE ANHYDROUS

OSHA Permissible Exposure Limit:	PEL/TWA	None established
ACGIH	TLV/TWA	Not listed

### 6-N-PROPYL-2-THIOURACIL

OSHA Permissible Exposure Limit:	PEL/TWA	None established
ACGIH	TLV/TWA	Not listed

## SECTION IV - FIRST AID MEASURES

### EYE CONTACT:

In case of eye contact, immediately flush eyes with plenty of water for at least fifteen minutes. Remove contact lenses if worn. Seek Medical attention immediately.

### SKIN CONTACT:

In case of skin contact, flush affected area with plenty of water.

## SECTION IV - FIRST AID MEASURES (CONT.)

### ORAL CONTACT:

In case of oral contact rinse mouth immediately with plenty of water. Drink water or citrus juices to dilute or neutralize any alkali that may have been swallowed. Do NOT induce vomiting. Seek Medical attention immediately.

### INGESTION:

Get Medical attention immediately. If swallowed, do NOT induce vomiting unless directed to do so by Medical personnel. Never give anything by mouth to an unconscious person.

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### NOTES TO PHYSICIAN

Prolonged contact with skin may produce alkali burns.

## SECTION V - FIRE FIGHTING MEASURES

**Flash Point:** (Tag Closed Cup): Mixture will not burn.

## SECTION VI - ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Handle film so as not to break developer pods prior to film development. Small quantities of developer fluid may be wiped up with a damp paper towel using care to avoid any skin or eye contact.

## SECTION VII - HANDLING AND STORAGE

Not Available

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

### RECOMMENDED VENTILATION:

Not normally required.

### RESPIRATORY PROTECTION:

Not normally required.

### EYE PROTECTION:

Not normally required.

### SKIN PROTECTION:

Not normally required.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Cream, white, tan, grey or pink viscous fluid

**Melting Point:** ND

**Boiling Point:** @ 760 mm Hg: 100 °C (212°F) (Water)

**Specific Gravity(H<sub>2</sub>O=1):** 1.1

**% Solubility in Water:** @ 20°C: dilutable

**Vapor Density (AIR=1):** ND

**% Volatiles by volume:** 85 (approximate)

**Vapor Pressure:** ND

**Evaporation Rate:** (BUTYL ACETATE=1): <1

**pH:** > 13 - Drops rapidly after processing

**Pour Point:** ND

**Softening Point:** ND

**Viscosity:** ND

**Bulk Density:** ND

**Surface Tension:** ND

**Log Kow:** ND

## SECTION X - STABILITY AND REACTIVITY

### Hazardous Reactivity:

Mixture is considered stable.

## SECTION XI - TOXICOLOGICAL INFORMATION

### INHALATION:

May be an irritant

### SKIN CONTACT:

Corrosive

### EYE:

Corrosive

### INGESTION:

Corrosive

### Effects of Acute Overexposure:

Eye contact with developer may cause permanent eye damage. May cause burns to skin and mouth.

### Effects of Chronic Overexposure:

None currently known.

Contains 6-N-propyl-2-thiouracil which is listed by IARC and NTP as an animal carcinogen.

## SECTION XII - ECOLOGICAL INFORMATION

Not Available

### **SECTION XIII - DISPOSAL CONSIDERATIONS**

The processing pack is hazardous waste when discarded since it contains lead in amounts above the threshold limits established by the U.S. EPA's TCLP test. Disposal requirements may vary from state to state and may depend on the amounts and types of other waste you discard. Check with your local or state environmental agency to determine disposal methods appropriate under federal, state and local laws.

### **SECTION XIV - TRANSPORT INFORMATION**

#### **OTHER D.O.T. INFORMATION**

Film product not regulated

### **SECTION XV - REGULATORY INFORMATION**

All ingredients are listed on the TSCA inventory

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Product Regulations (CPR) and the MSDS contains all the information required by the CPR.

### **SECTION XVI - OTHER INFORMATION**

NOTE: Film conforms to ASTM D-4236.

## Revision Information

### Revised Sections Since Last Version:

This is a new MSDS

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REVISION DATE: 22-DEC-1998	REPLACES SHEET DATED: NA
COMPLETED BY: Polaroid Corp. Office of Health, Safety, & Environmental Affairs	

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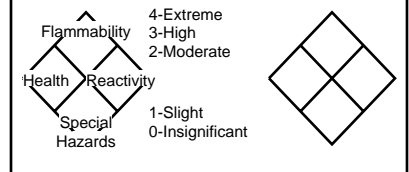
This data is for guidance and is believed accurate as of the date of issue hereof. It is based upon information and tests believed to be reliable but suitability for any particular use should be confirmed by the user's own tests. The advice contained in this data sheet is given and accepted at the user's risk and Polaroid makes no guarantee of results and assumes no obligation or liability in connection herewith.

Data Sheet No. **M-0945**

Revision

**NFPA FIRE HAZARD SYMBOL**

## Drum Label Information



**HAZARD SIGNAL WORD**

**WARNING**

### HAZARDS

CONTAINS ALKALI

Eye Contact May Cause Permanent Eye Damage.

Skin and Mouth Contact May Cause Irritation or Burns.

### PRECAUTIONARY MEASURES

Do not get in eyes, on skin, mouth or clothing.

Wash thoroughly after handling

### EMERGENCY AND FIRST AID PROCEDURES

In case of eye contact, immediately flush eyes with plenty of water for at least fifteen minutes. Remove contact lenses if worn. Seek Medical attention immediately.

In case of skin contact, flush affected area with plenty of water.

In case of oral contact rinse mouth immediately with plenty of water. Drink water or citrus juices to dilute or neutralize any alkali that may have been swallowed. Do NOT induce vomiting. Seek Medical attention immediately.

Get Medical attention immediately. If swallowed, do NOT induce vomiting unless directed to do so by Medical personnel. Never give anything by mouth to an unconscious person.

### SPILL CONTROL:

Handle film so as not to break developer pods prior to film development.

Small quantities of developer fluid may be wiped up with a damp paper towel using care to avoid any skin or eye contact.

### OTHER D.O.T. INFORMATION

Film product not regulated