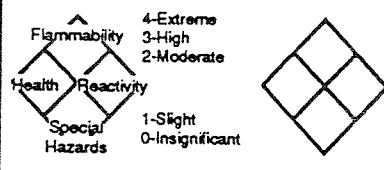


# MATERIAL SAFETY DATA SHEET

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POLAROID CORPORATION  
OFFICE OF HEALTH, SAFETY, & ENVIRONMENTAL AFFAIRS  
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JUN 22 1999

MSDS 2282

Data Sheet No. M-0628	Revision VII	NFPA FIRE HAZARD SYMBOL
		
Compiled by: E. Karger	Issue Date: 11-MAY-1998	

## SECTION I - PRODUCT AND COMPANY IDENTIFICATION

COMMON NAMES: DEVELOPER FLUID CONTAINED IN POD OF FILM TYPES 708, 778, 779, 339, 600++, 309, 909, 600+, SPECTRA, IMAGE, 6000, 7000, TIME ZERO, 330, 990, CAPTIVA 95, VISION 95, JOYCAM 95, POCKET FILM, PLATINUM, EXTREME GLOSS FILM; ALTER IMAGE, MATTE, ; MAT-T-E

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY: MIXTURE

### 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
POTASSIUM HYDROXIDE	5-10		001310-58-3	
2-METHYLIMIDAZOLE	0.10-1		000693-98-1	
TITANIUM DIOXIDE	30-60		013463-67-7	
CARBOXYLATED STYRENE/BUTADIENE COPOLYMER	1-5		009003-55-8	
P-TOLUENESULFINIC ACID, SODIUM SALT-HYDRATE	0.10-1		000824-79-3	
2-ETHYLIMIDAZOLE	1-5		001072-62-4	

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**INGREDIENTS (CONT.)**

Material	%	MSDS#	CAS#	PL# /Comments
6-METHYLURACIL	0.10-1		000626-48-2	
WATER	40-70		007732-18-5	

**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****POTASSIUM HYDROXIDE**

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

**TITANIUM DIOXIDE**

OSHA Permissible Exposure Limit: PEL/TWA 10 mg/m3 (total dust) 5 mg/m3 (respirable fraction)  
ACGIH TLV/TWA 10 mg/m3

**P-TOLUENESULFINIC ACID, SODIUM SALT-HYDRATE**

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

**2-ETHYLIMIDAZOLE**

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

**6-METHYLURACIL**

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.

### 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.

## 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.

## SECTION XII - ECOLOGICAL INFORMATION

Not Available

**SECTION XIII - DISPOSAL CONSIDERATIONS**

Product (film pack, picture) is not classified or regulated under U.S. federal law as "RCRA Hazardous" before or after processing.

**SECTION XIV - TRANSPORT INFORMATION**

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

Film product not regulated

**SECTION XV - REGULATORY INFORMATION**

Not Available

**SECTION XVI - OTHER INFORMATION**

NOTE: Film conforms to ASTM D-4236  
All ingredients are listed on the TSCA inventory

Data Sheet No. M-0628

Revision VII

## Revision Information

### Revised Sections Since Last Version:

Section I - Product & Company Identification

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REVISION DATE: 11-MAY-1998      REPLACES SHEET DATED: 09-DEC-1997

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.

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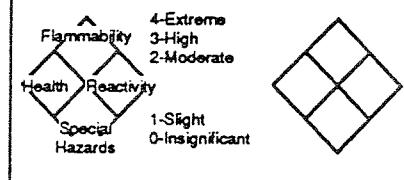
Revision VII

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